

FIG. 1

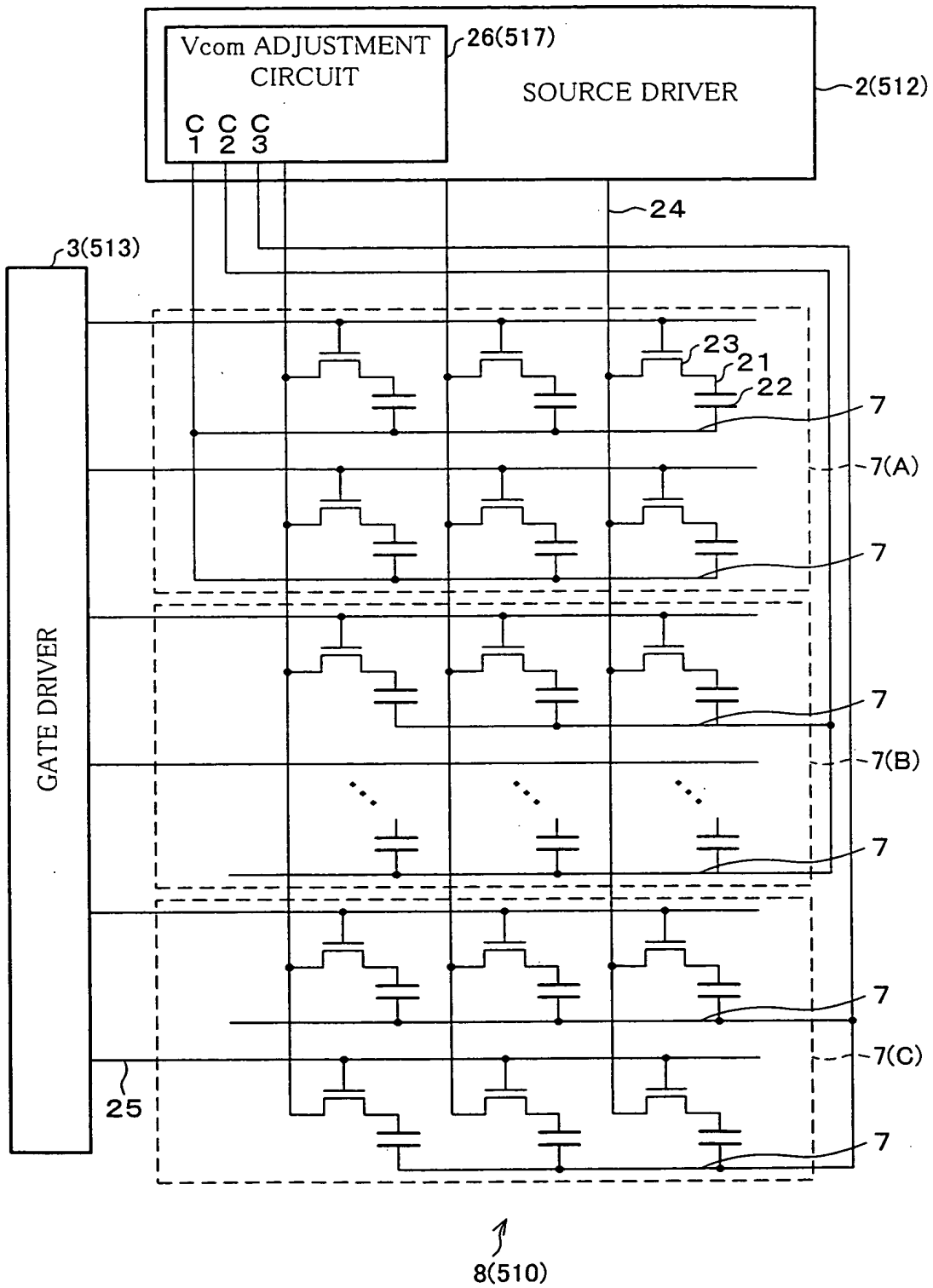


FIG. 2

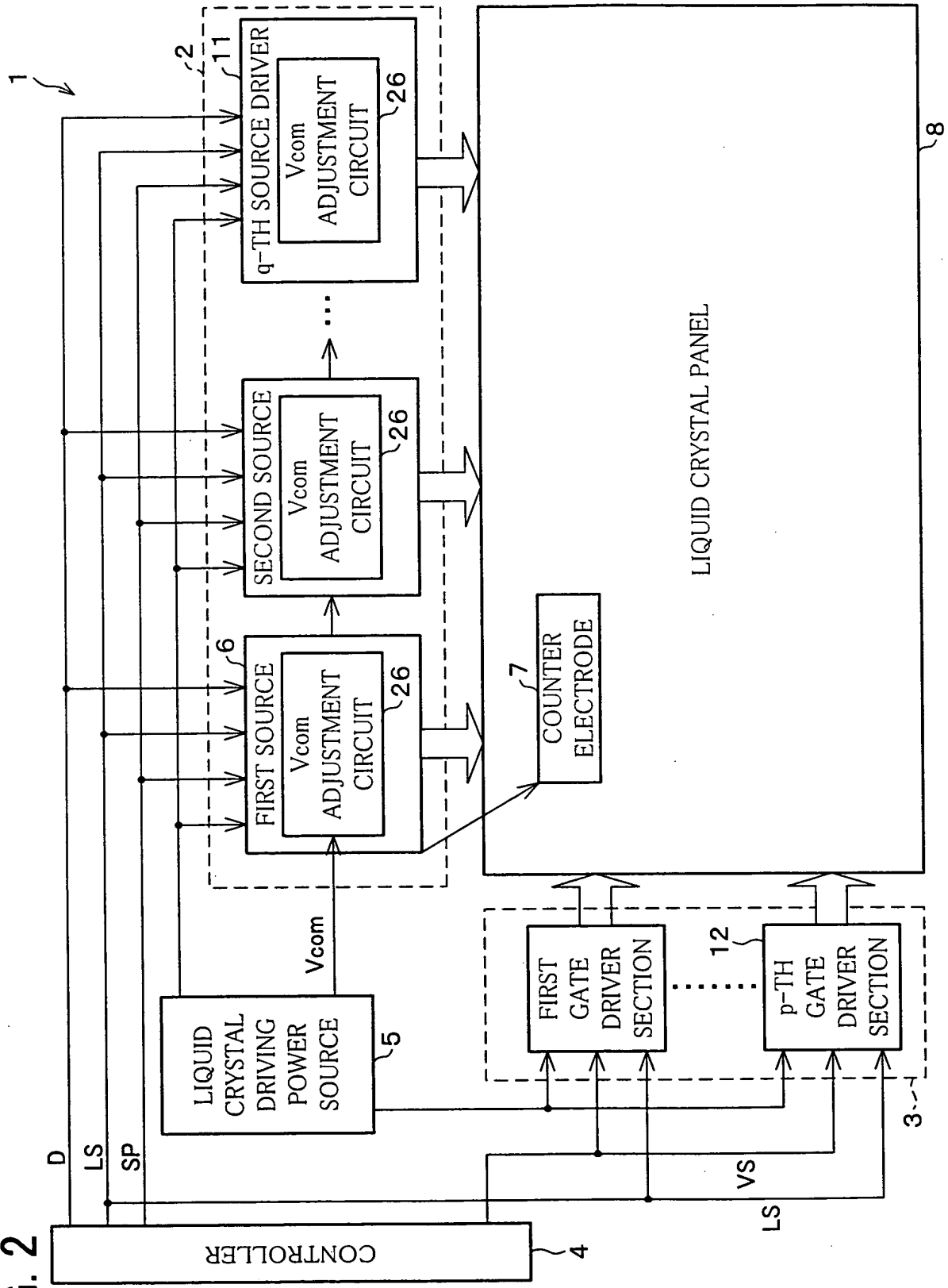


FIG. 3

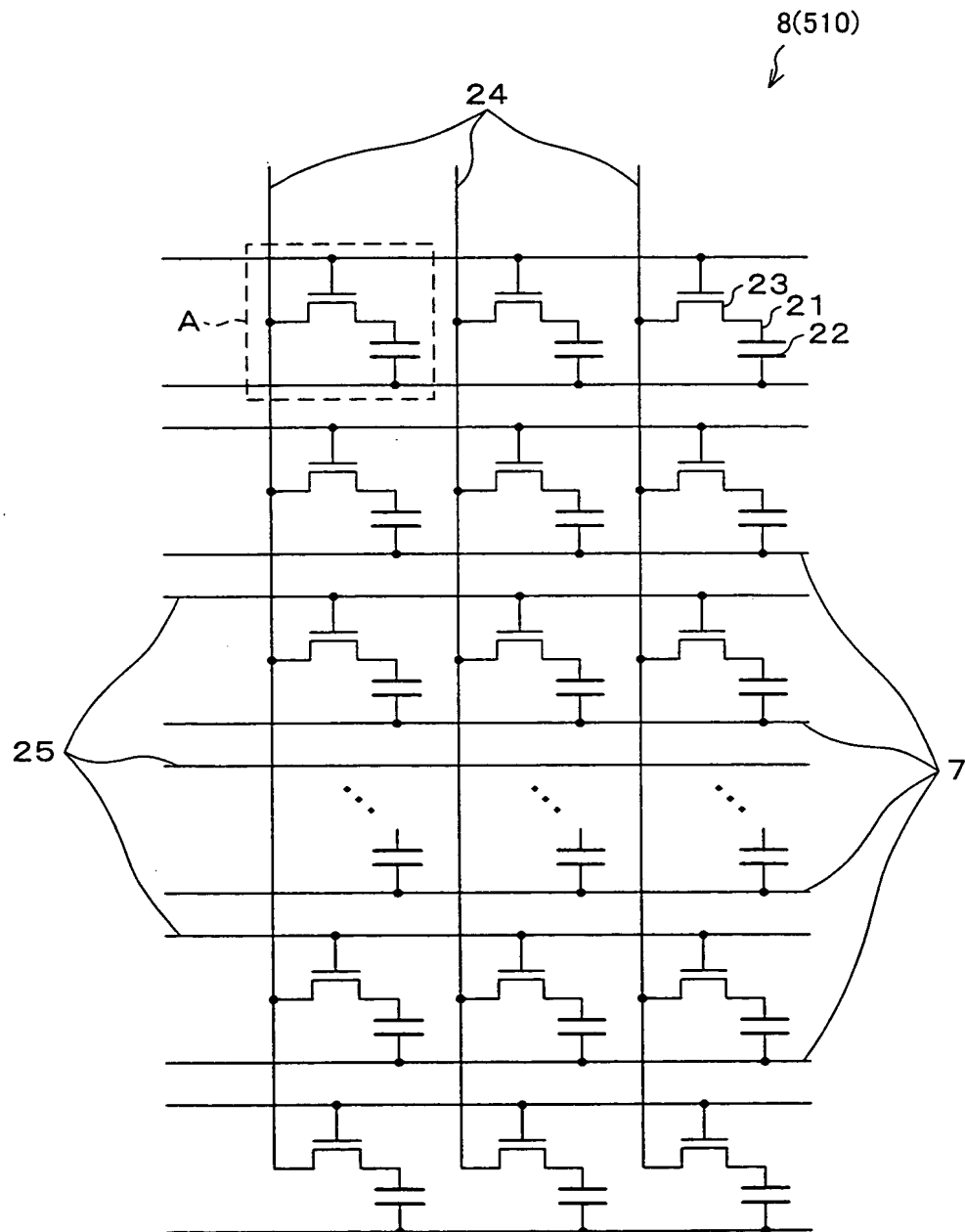


FIG. 4

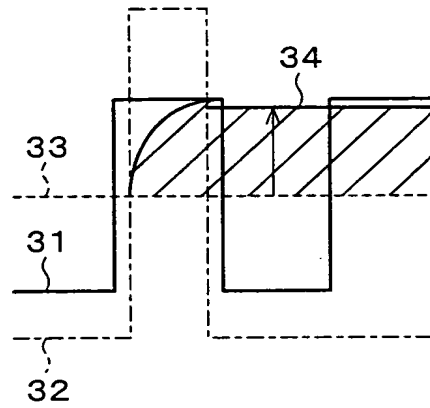


FIG. 5

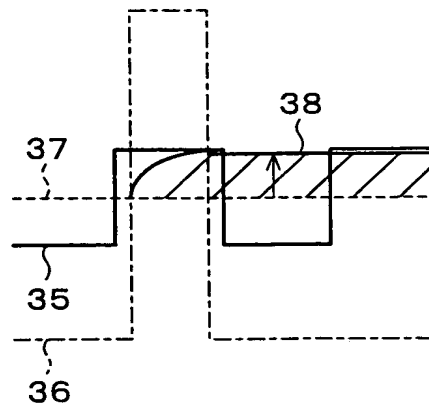


FIG. 6

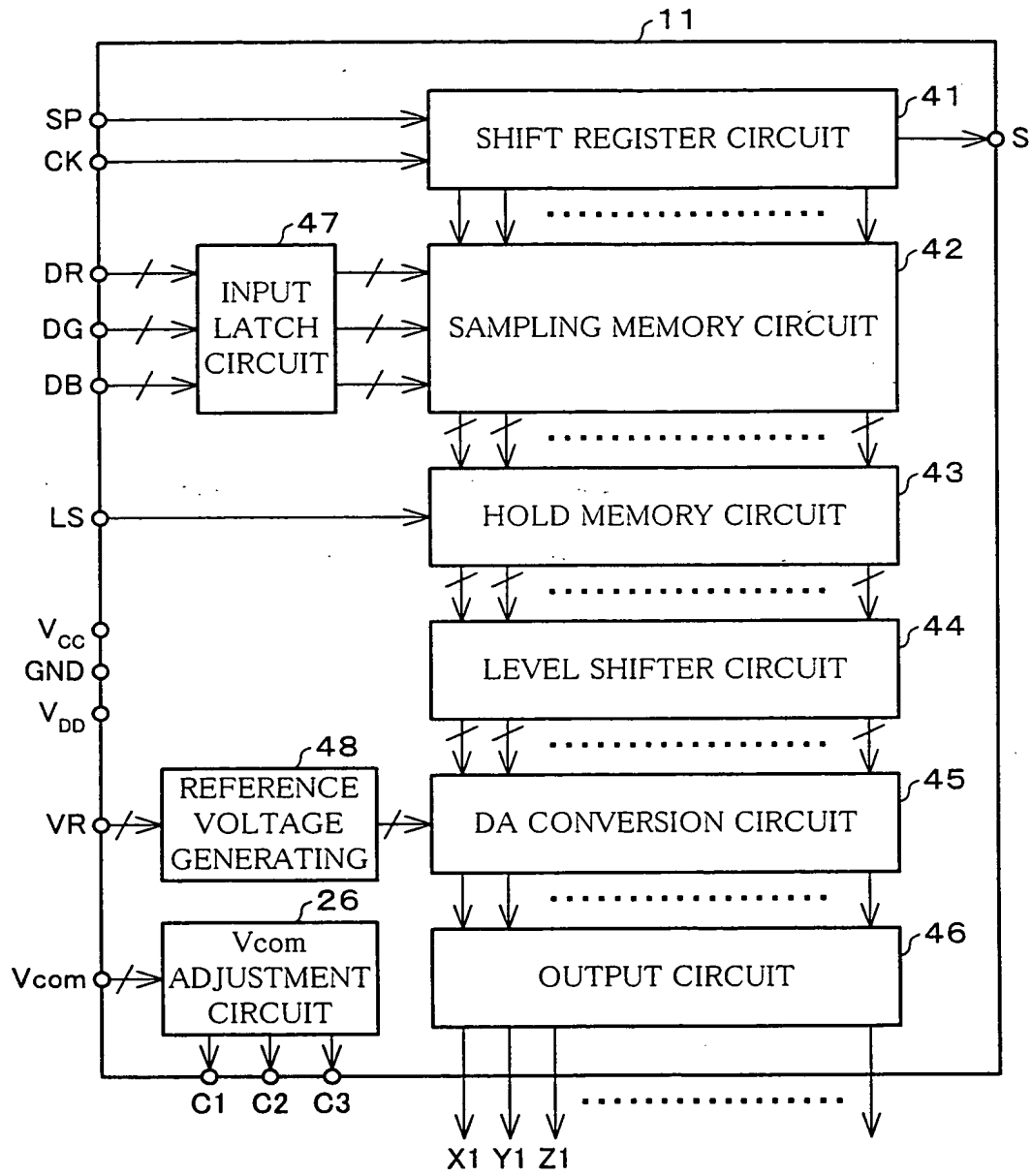


FIG. 7

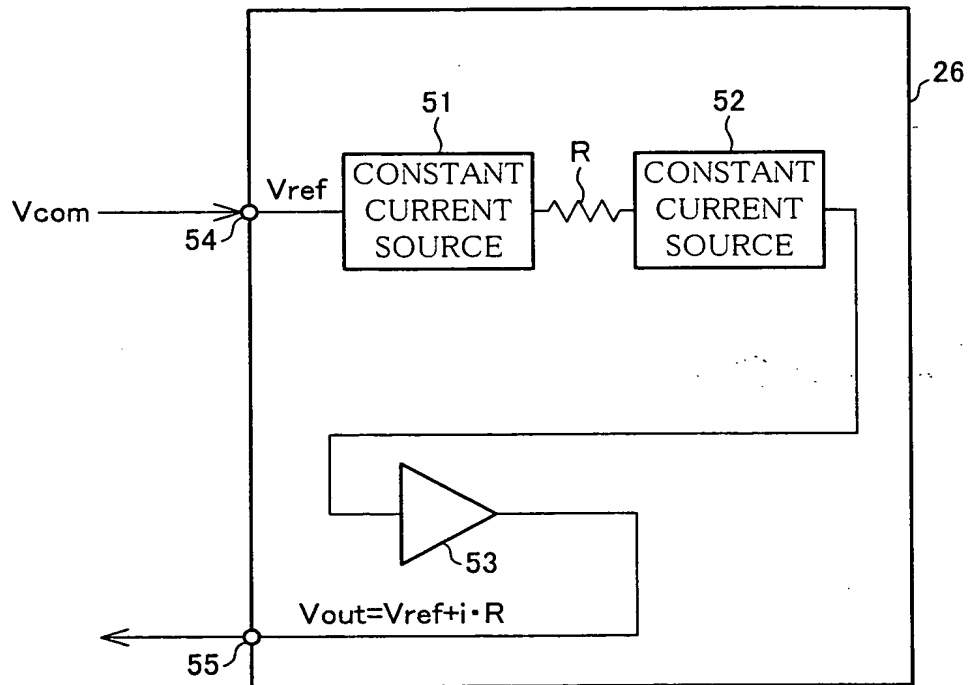


FIG. 8 (a)

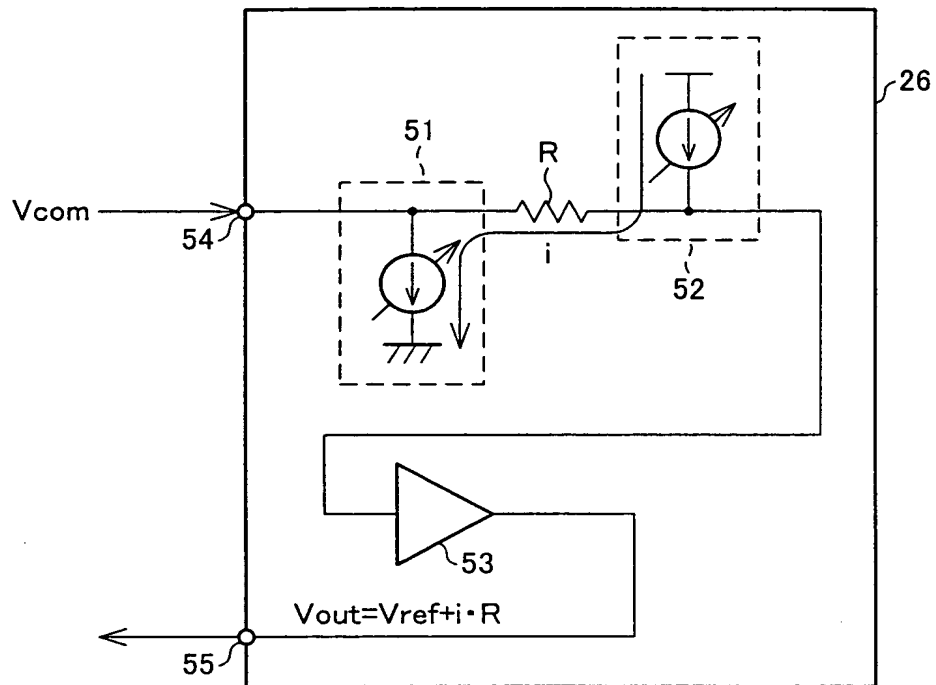


FIG. 8 (b)

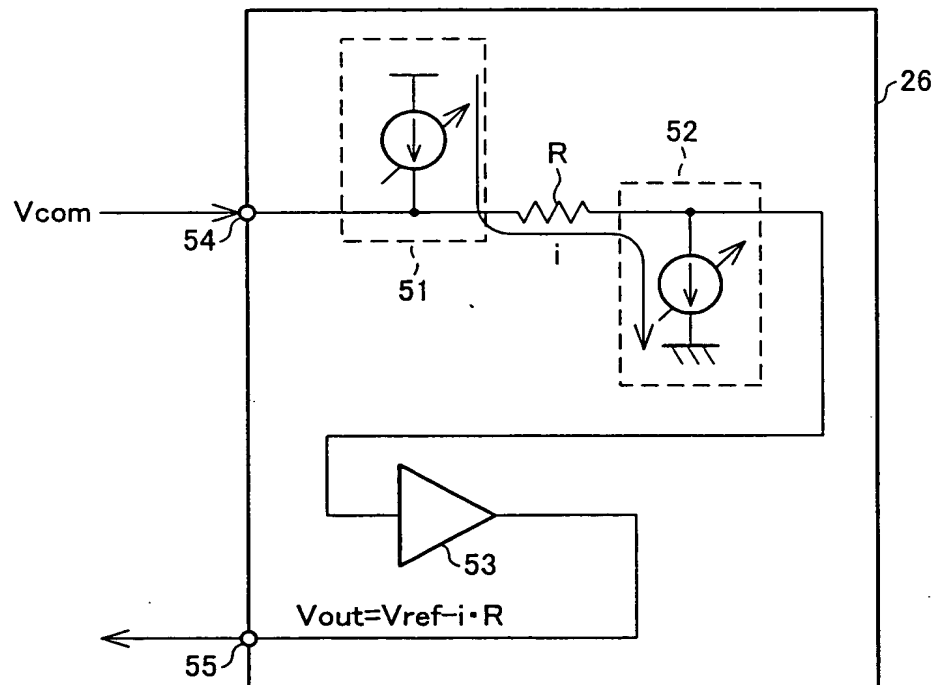


FIG. 9

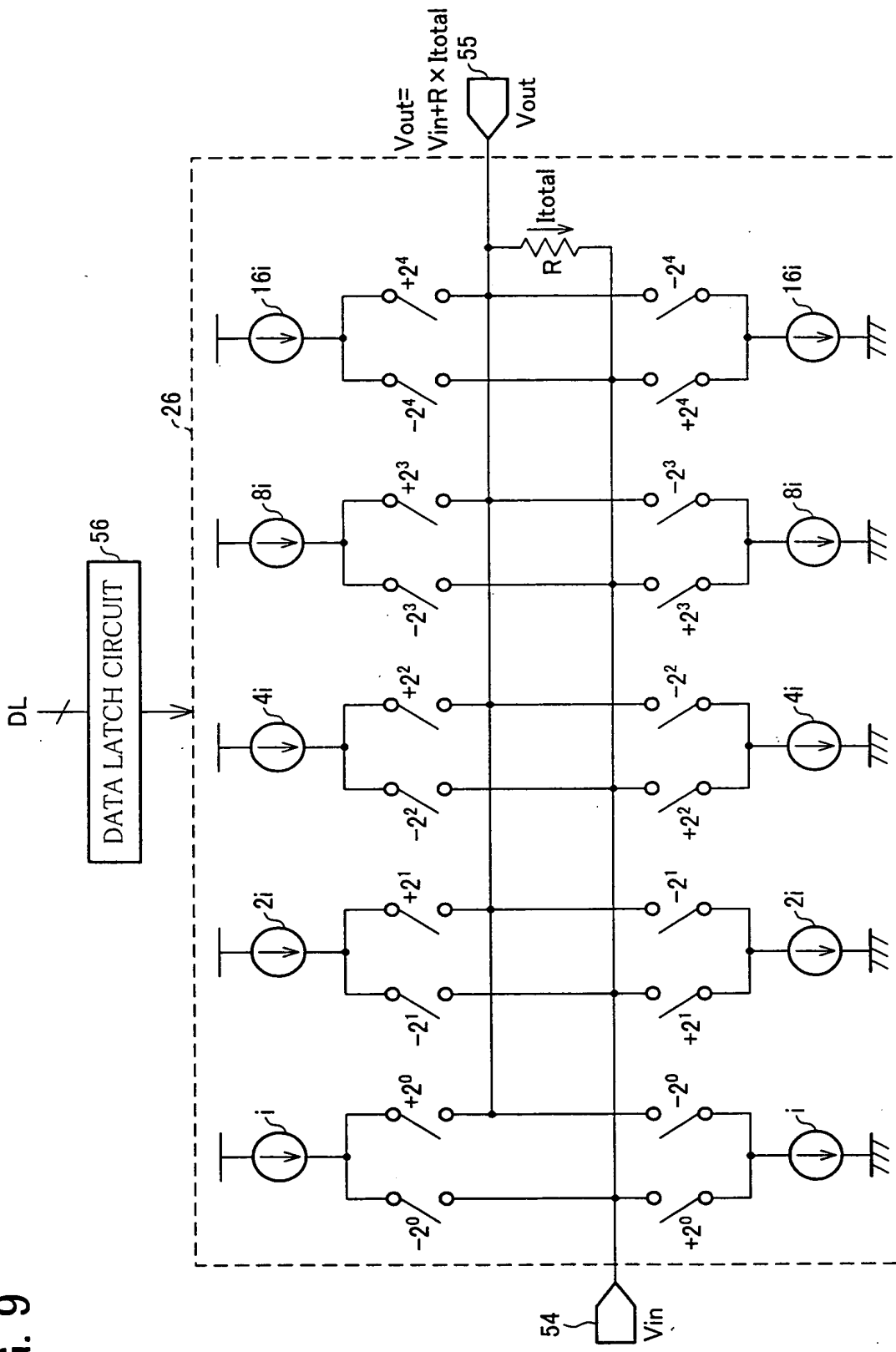


FIG. 10

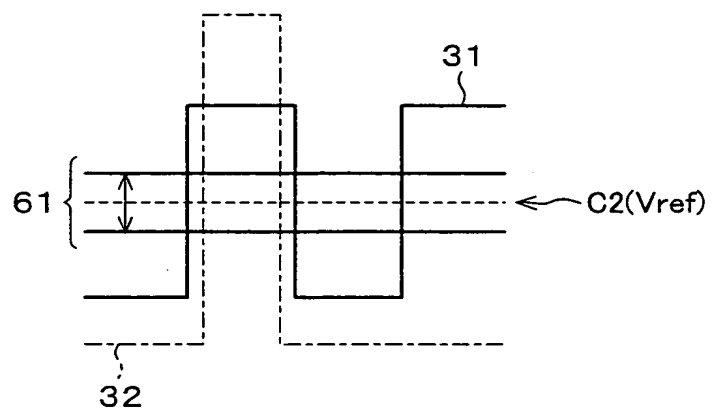


FIG. 11

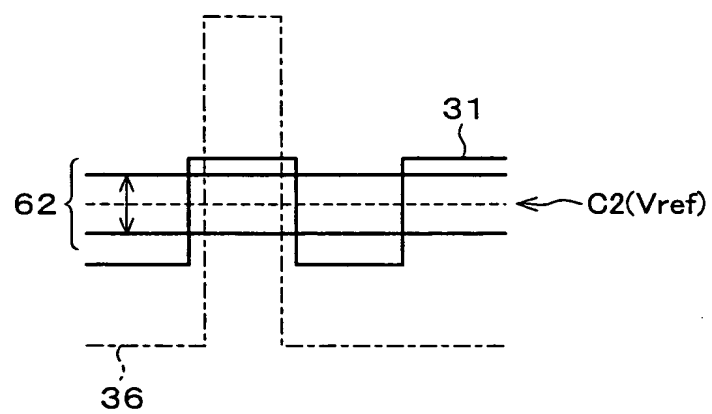


FIG. 12

	R	G	B	R	G	B
C1	+	-	+	-	+	-
C2	-	+	-	+	-	+
	+	-	+	-	+	-
	-	+	-	+	-	+
C3	+	-	+	-	+	-
	-	+	-	+	-	+

FIG. 13

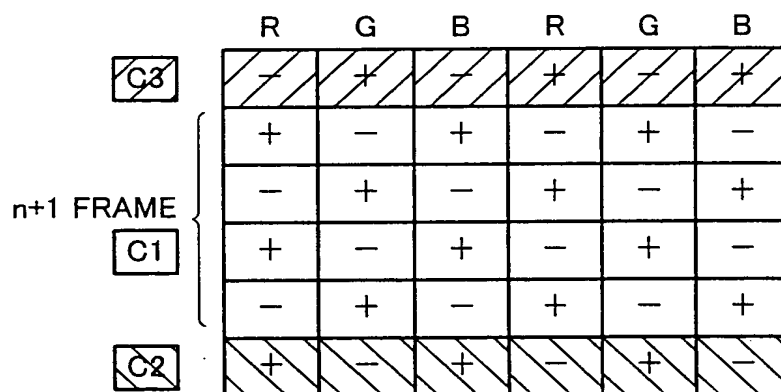
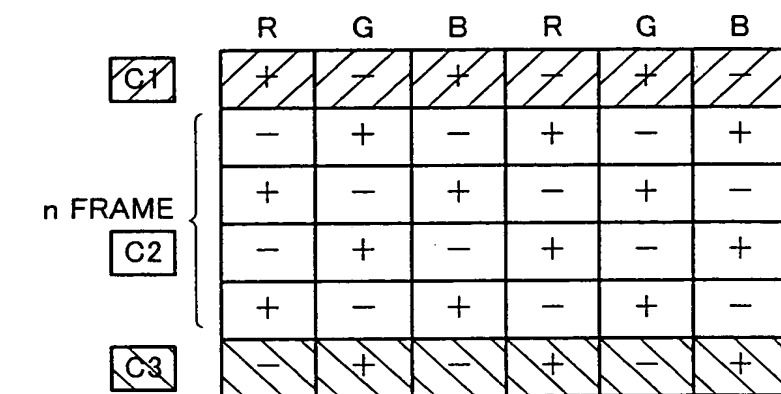


FIG. 14

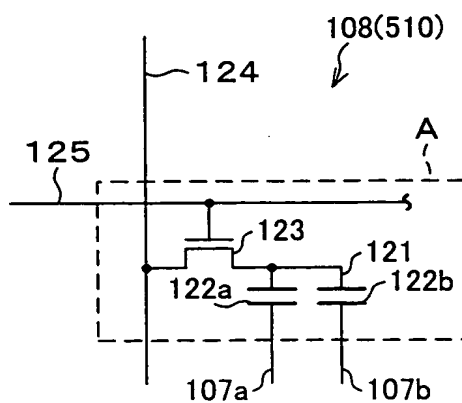


FIG. 15

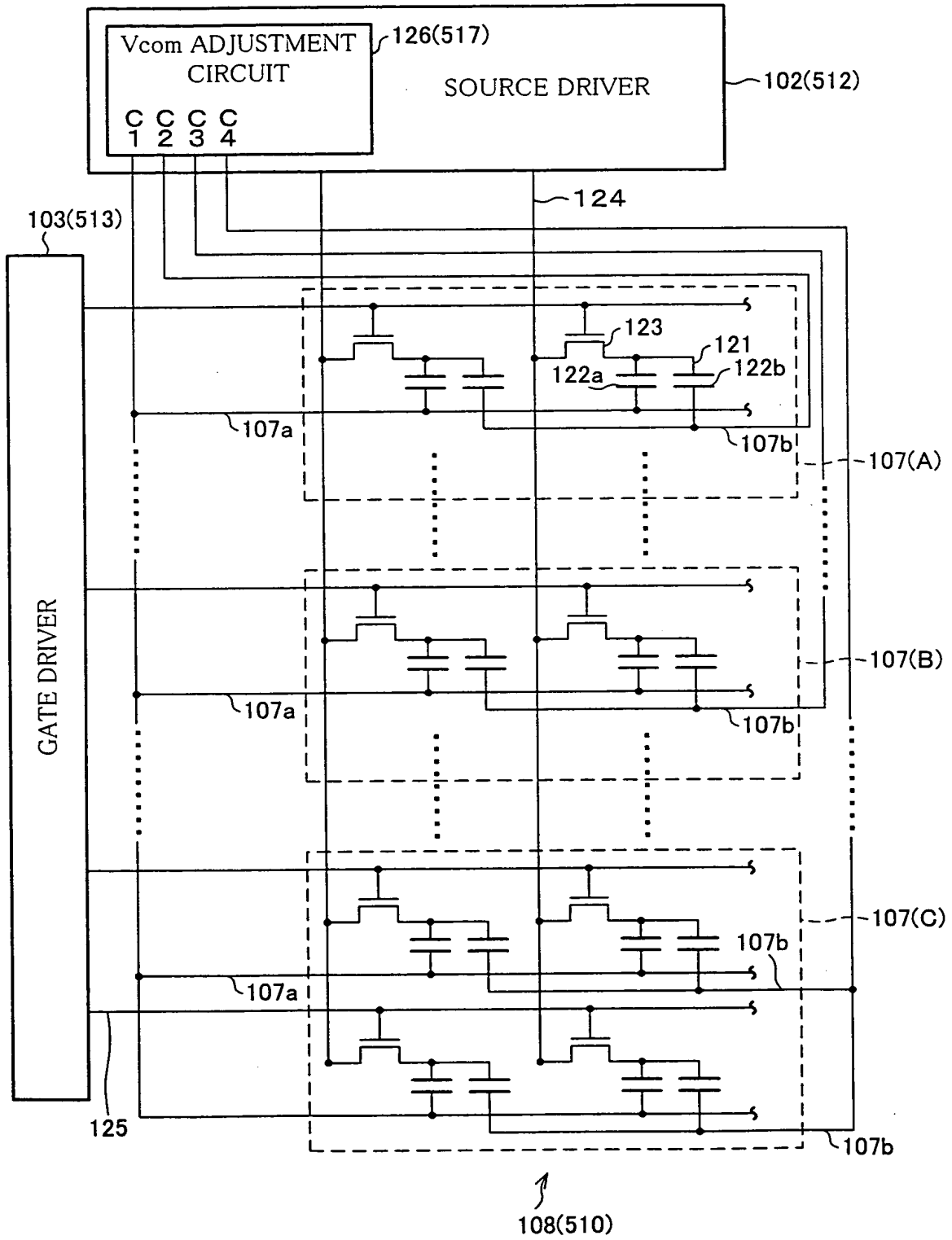
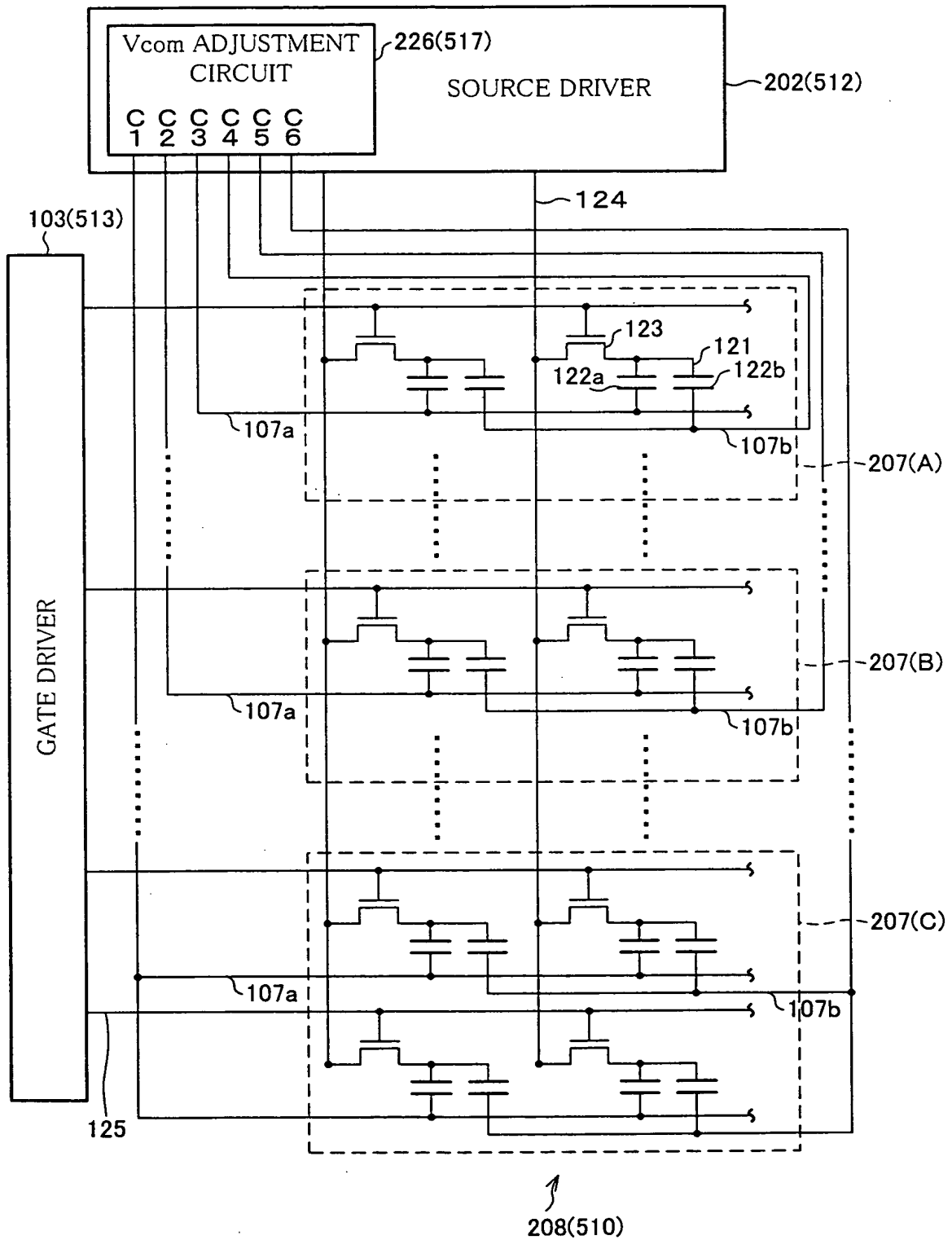


FIG. 16



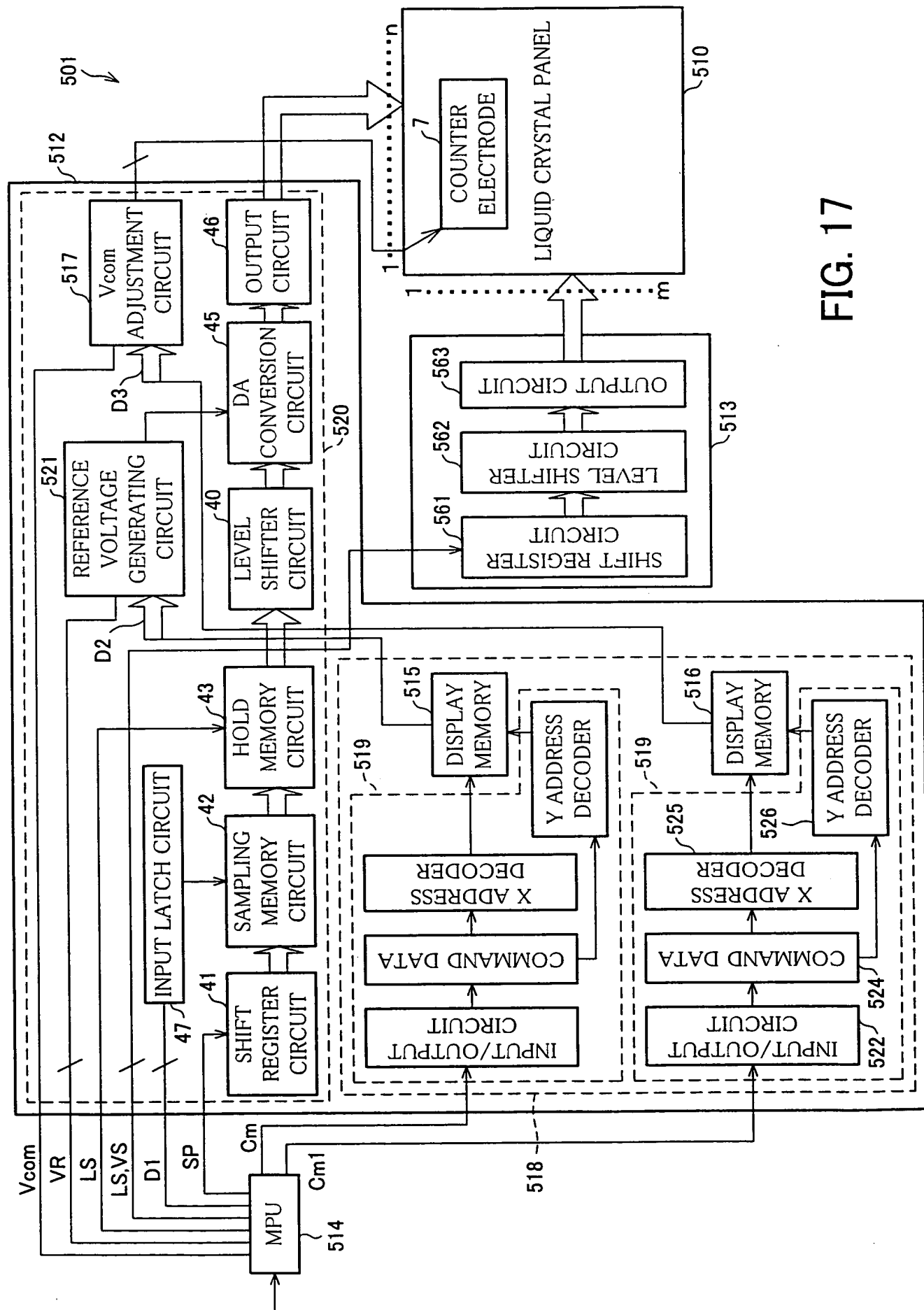


FIG. 17

FIG. 18

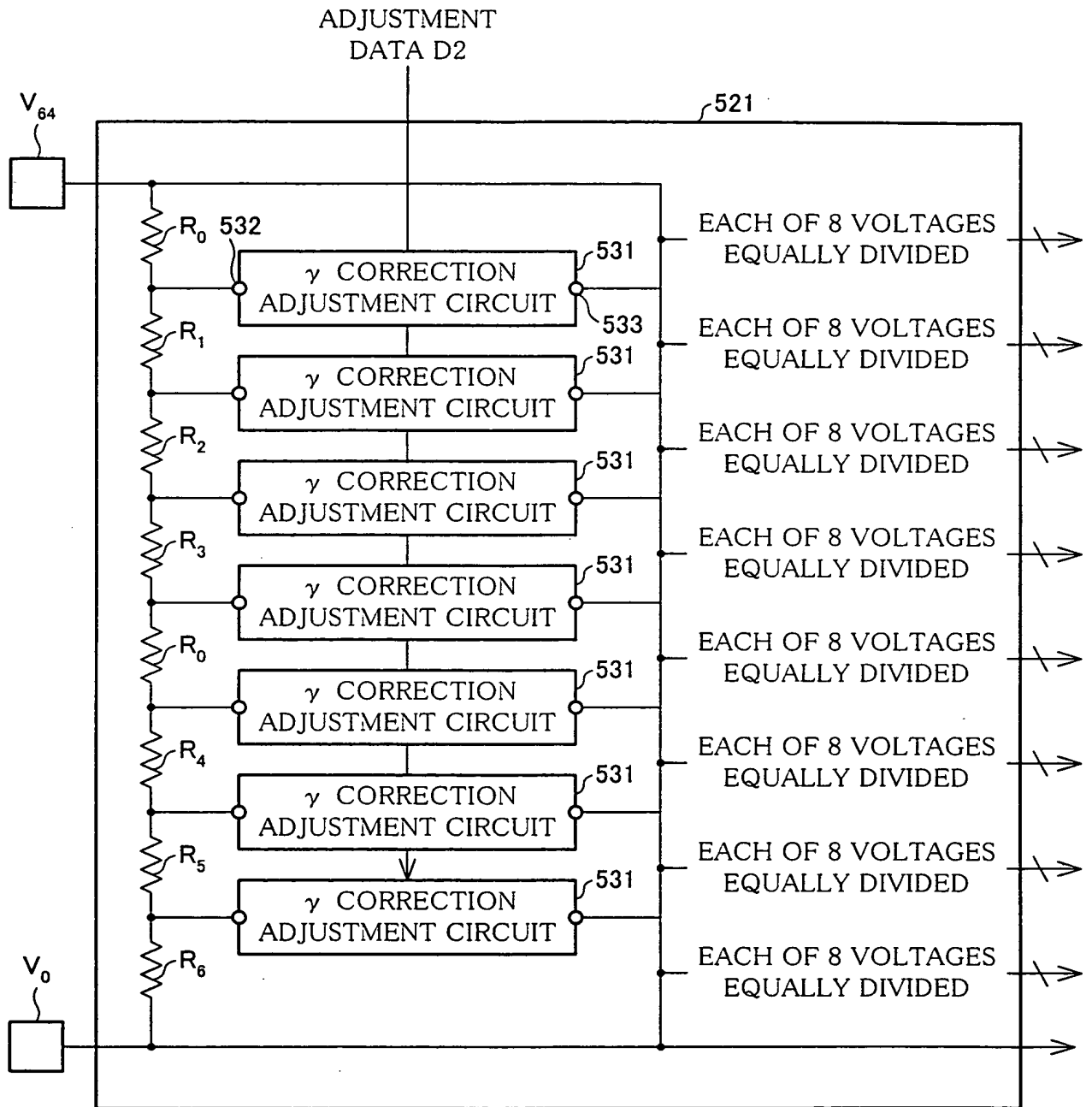


FIG. 19

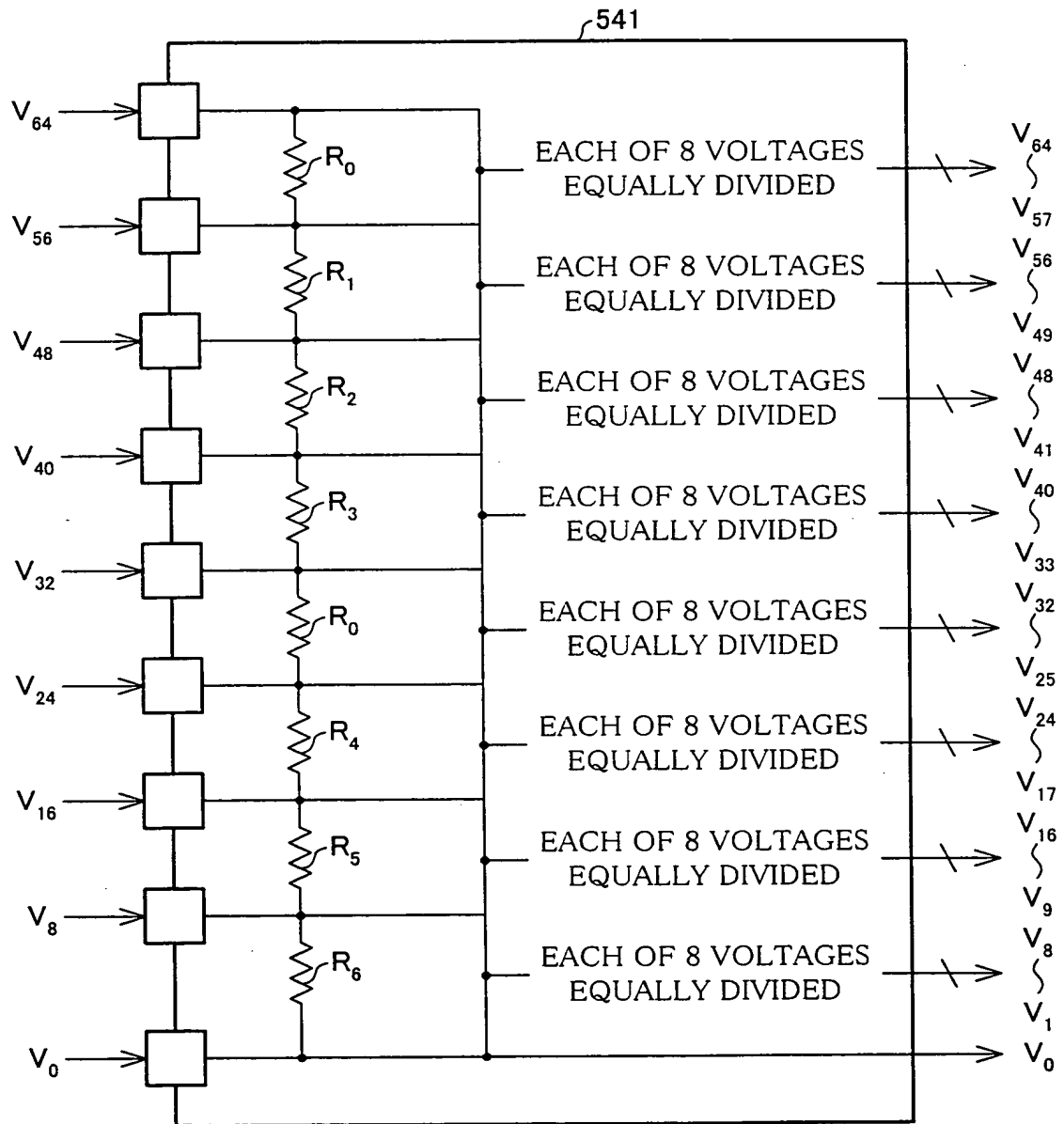


FIG. 20

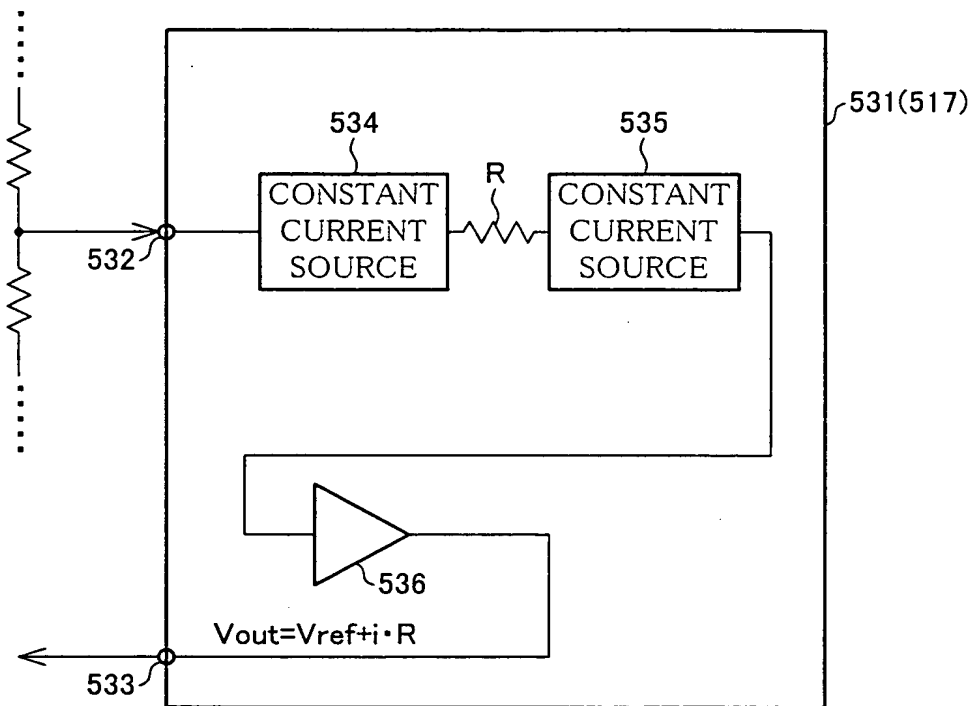


FIG. 21 (a)

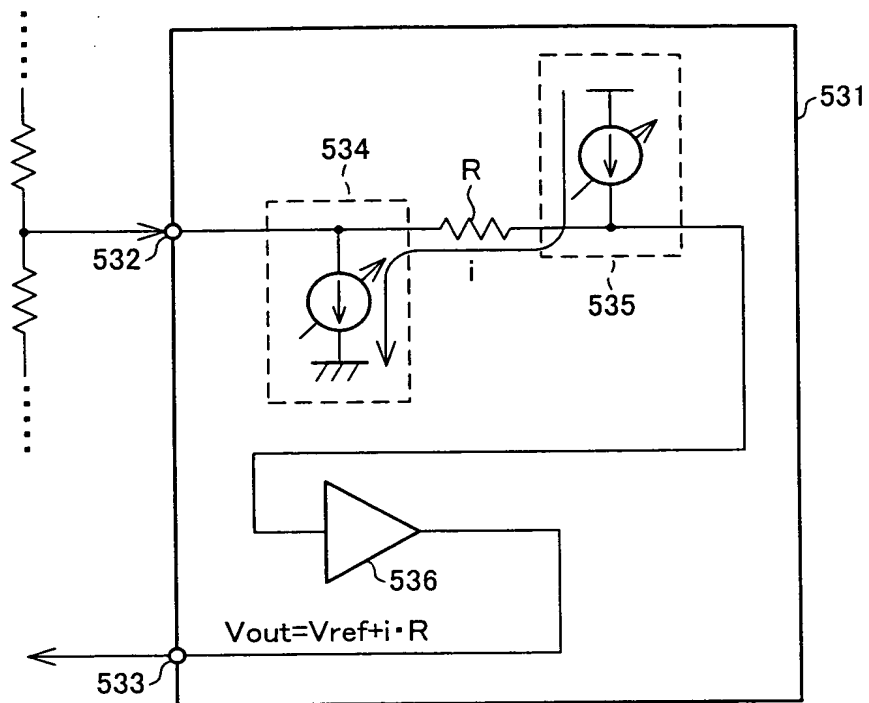


FIG. 21 (b)

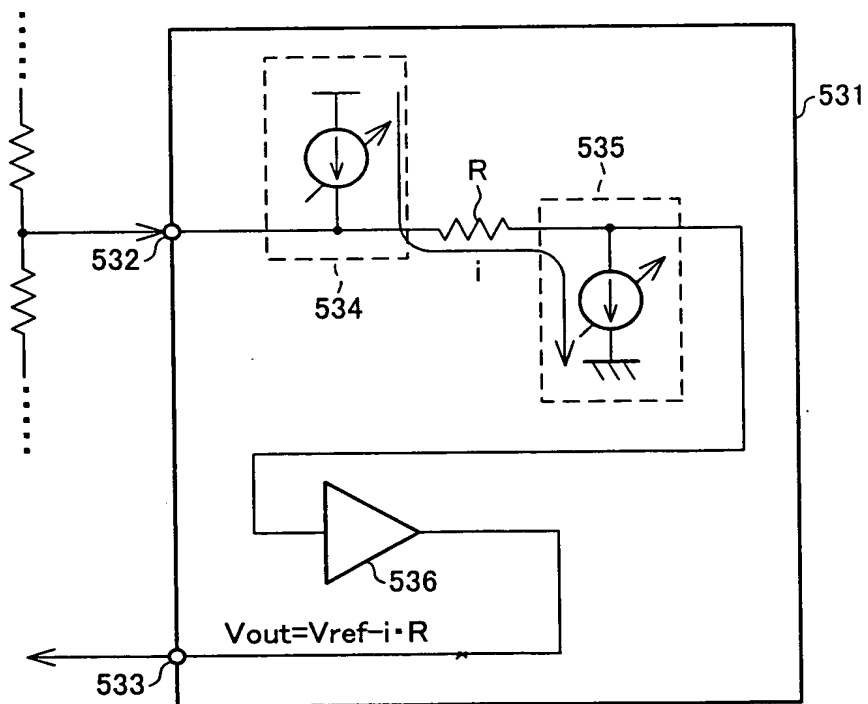


FIG. 22

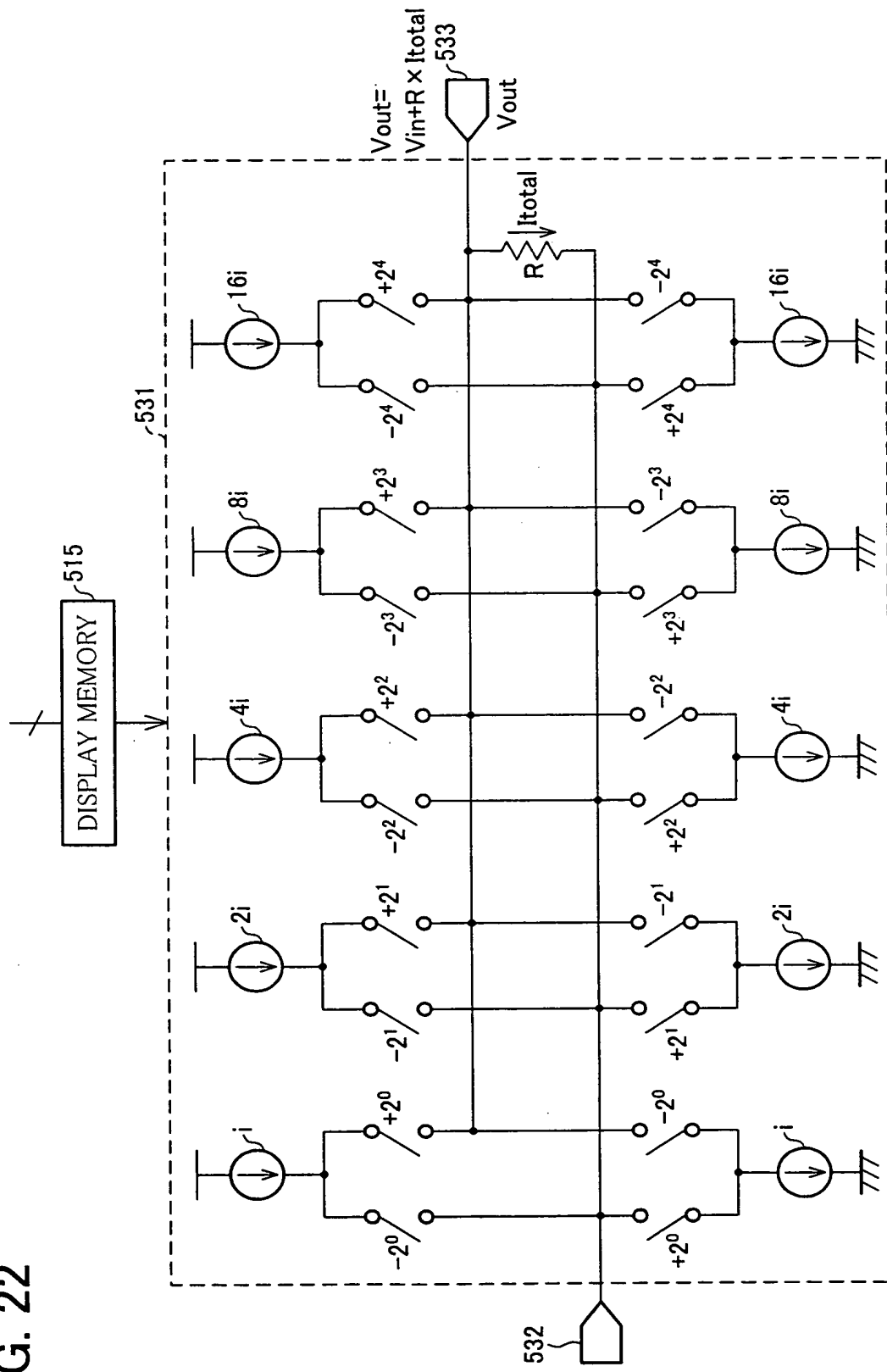


FIG. 23

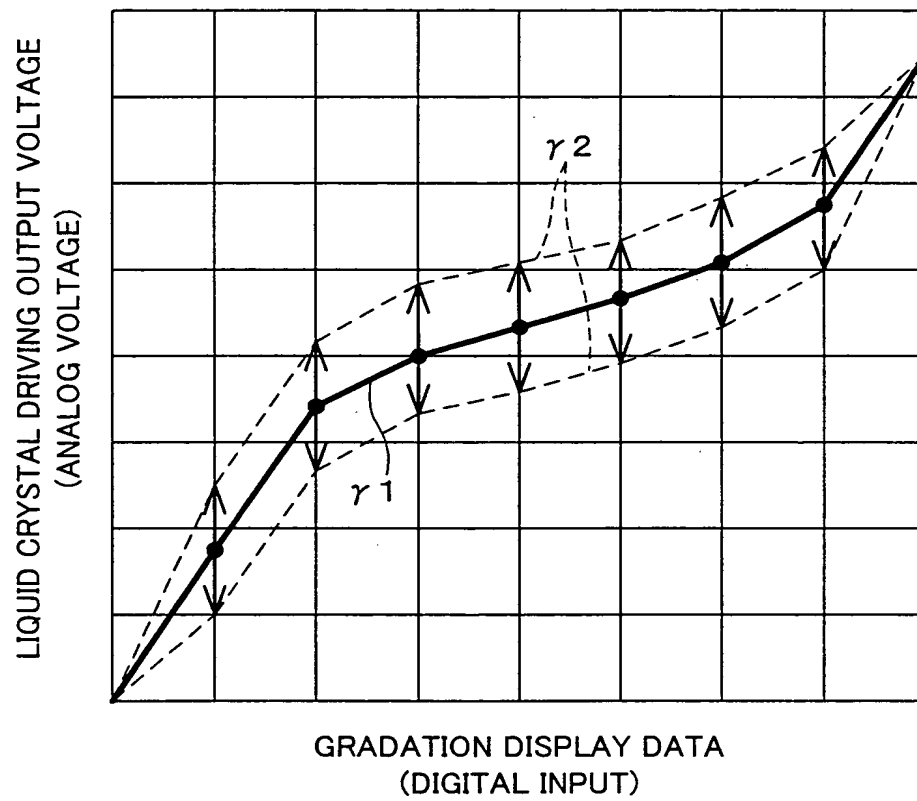



FIG. 24

	R	G	B	R	G	B
$\gamma 1$	+	-	+	-	+	-
	-	+	-	+	-	+
	+	-	+	-	+	-
$\gamma 2$	-	+	-	+	-	+
	+	-	+	-	+	-
	-	+	-	+	-	+

$\gamma 1$ 


$\gamma 2$ 

FIG. 25

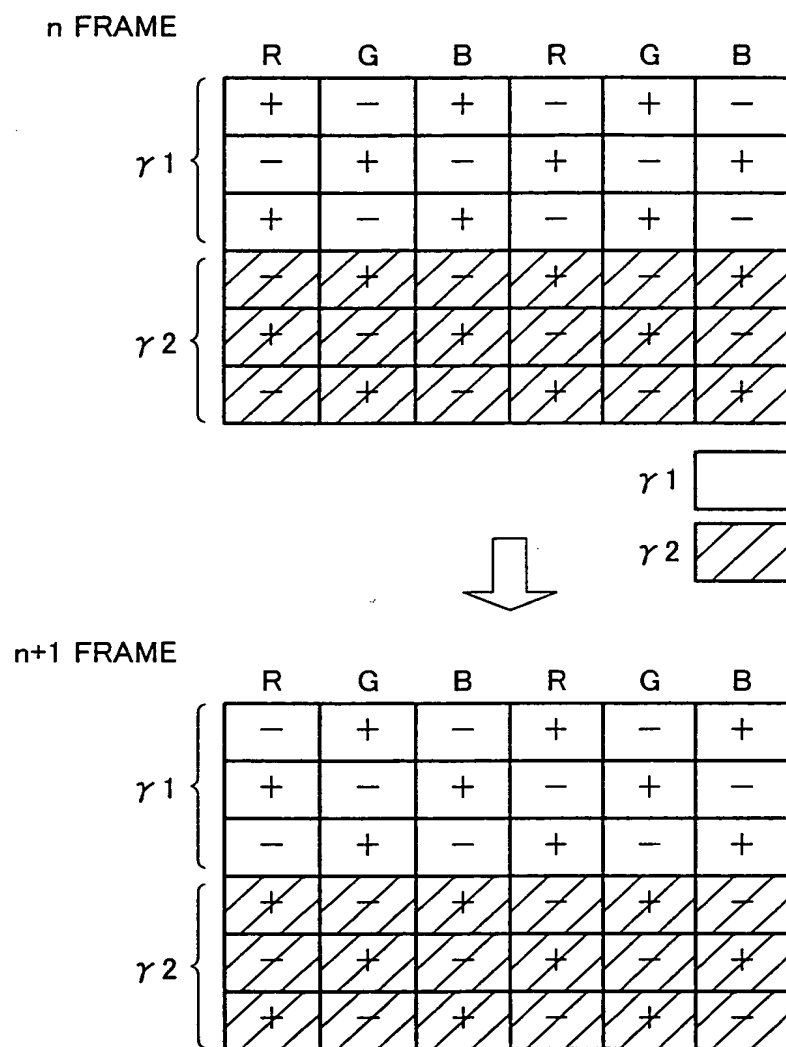
















FIG. 26

	R	G	B	R	G	B
$\gamma 2$						
$\gamma 1$	-	+	-	+	-	+
	+	-	+	-	+	-
	-	+	-	+	-	+
	+	-	+	-	+	-
$\gamma 3$						

$\gamma 1$ 

 $\gamma 2$ 


 $\gamma 3$ 

FIG. 27

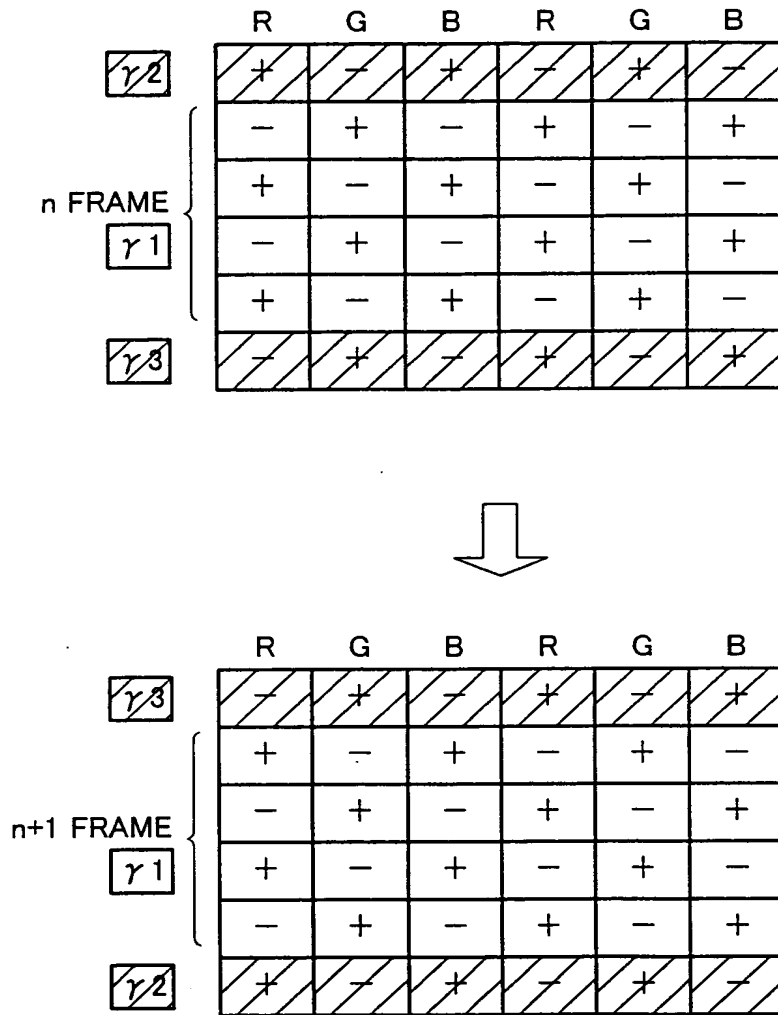


FIG. 28

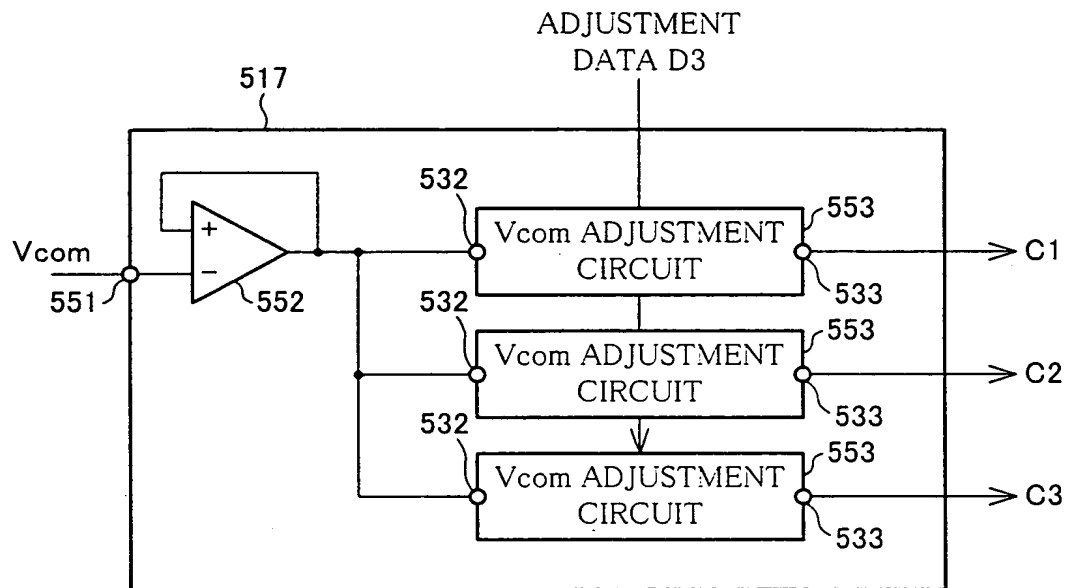
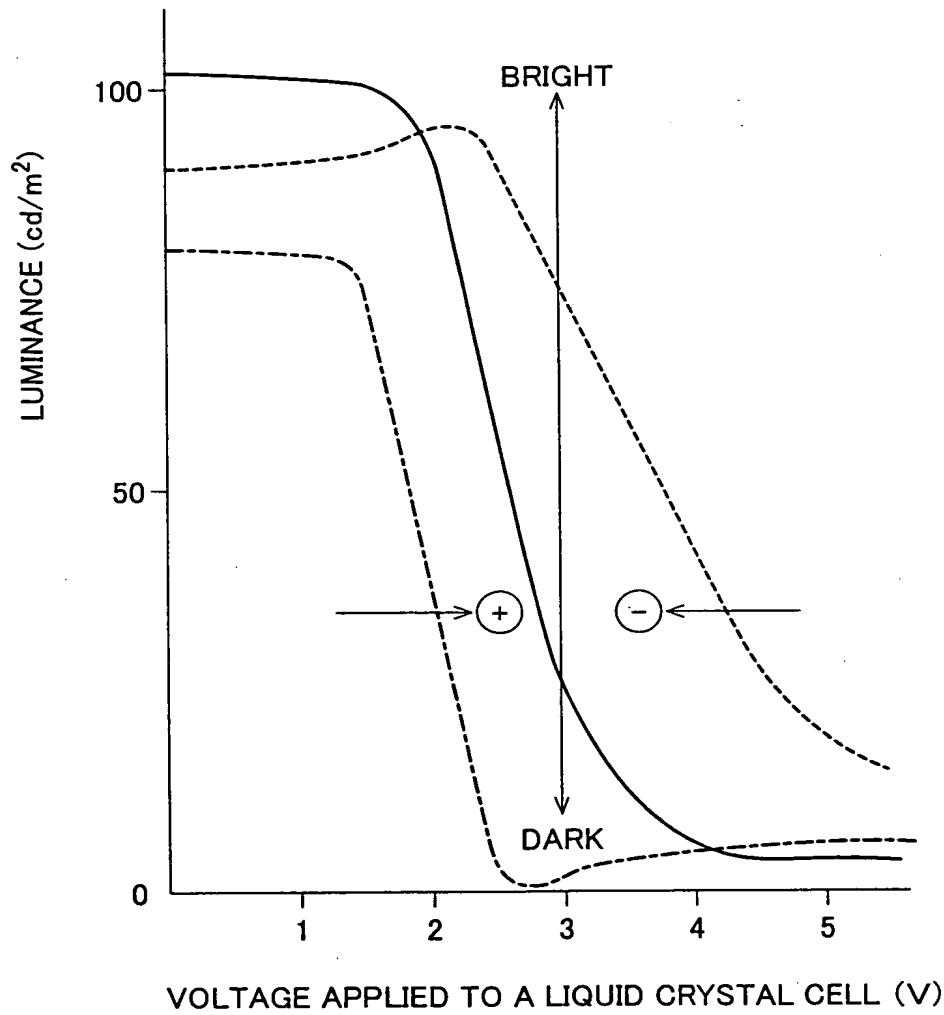


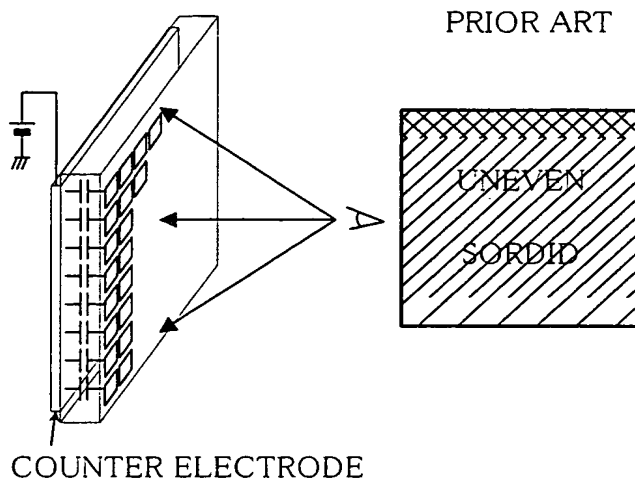
FIG. 29

GRAPH SHOWING A RELATIONSHIP BETWEEN LUMINANCE OF A SINGLE PIXEL OF A LIQUID CRYSTAL PANEL AND AN ANGULAR POSITION IN VIEWING



- $\phi = -30^\circ$ (VIEWING DOWNWARD)
- $\phi = 0^\circ$ (VIEWING IN A FRONT DIRECTION)
- · - · $\phi = +30^\circ$ (VIEWING UPWARD)

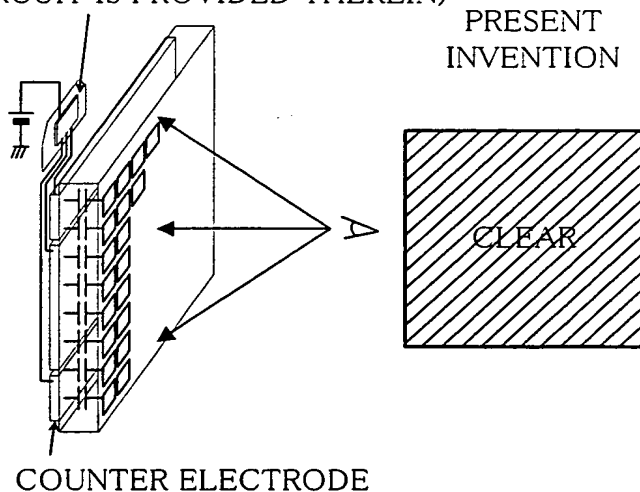
FIG. 30 (a)



In a case of a large screen panel, an angular position in viewing varies depending on whether an image is viewed from an upper direction or a lower direction, so that the image does not seem uniform even when the image is uniformly displayed.

FIG. 30 (b)

SOURCE DRIVER (V_{com} CONTROL CIRCUIT IS PROVIDED THEREIN)



A plurality of counter electrodes are prepared and are independently controlled, thereby controlling the display so that an image seems uniform when viewed from an upper direction or a lower direction.

FIG. 30 (c)

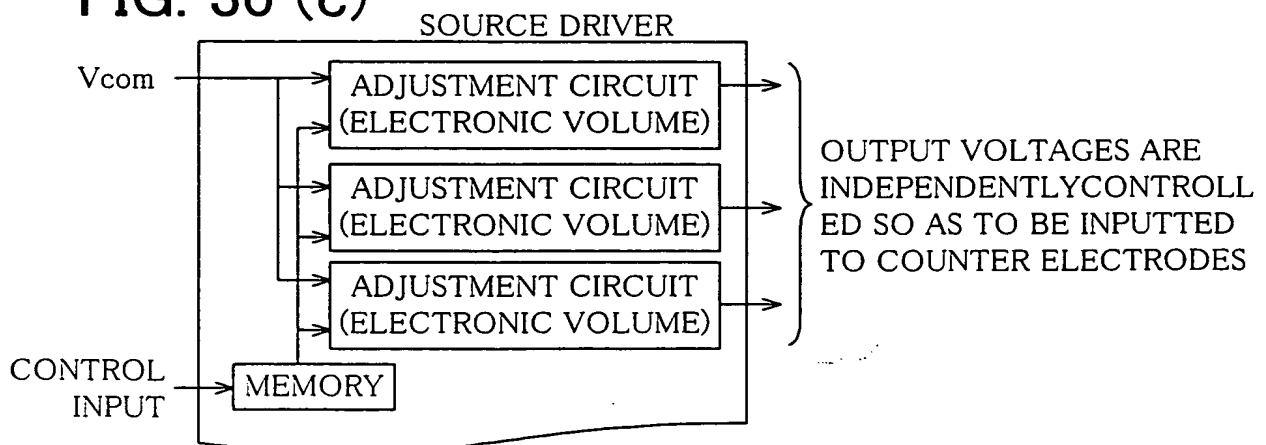


FIG. 31

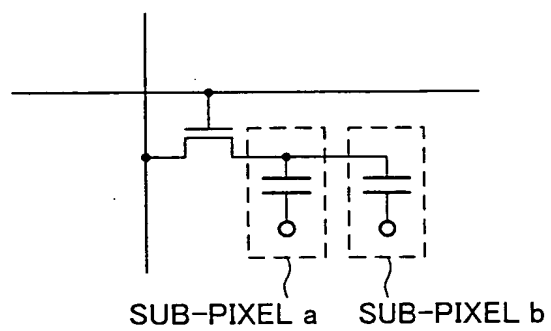


FIG. 32 (a)

LIGHT INTENSITY OF A PIXEL/SIGNAL VOLTAGE CHARACTERISTIC ($\theta = 40^\circ$)

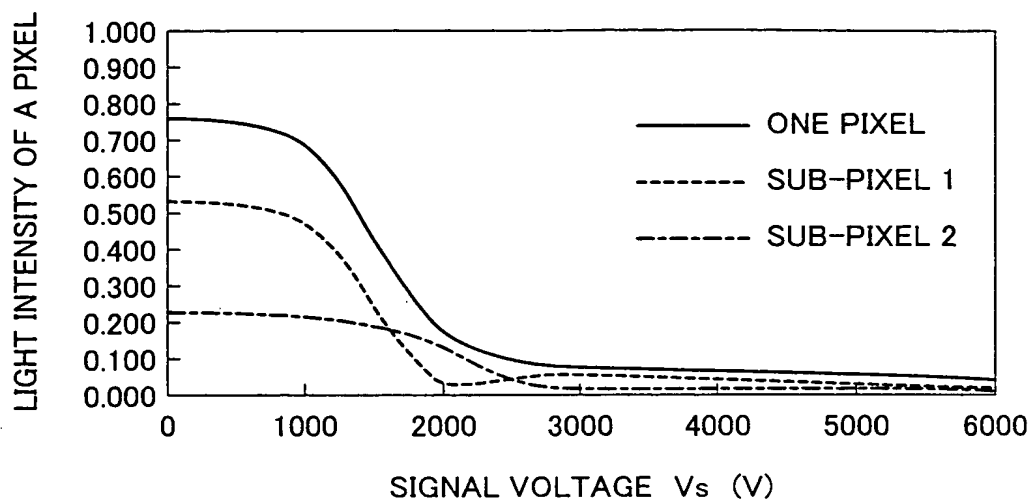


FIG. 32 (b)

LIGHT INTENSITY OF A PIXEL/SIGNAL VOLTAGE CHARACTERISTIC ($\theta = 40^\circ$)

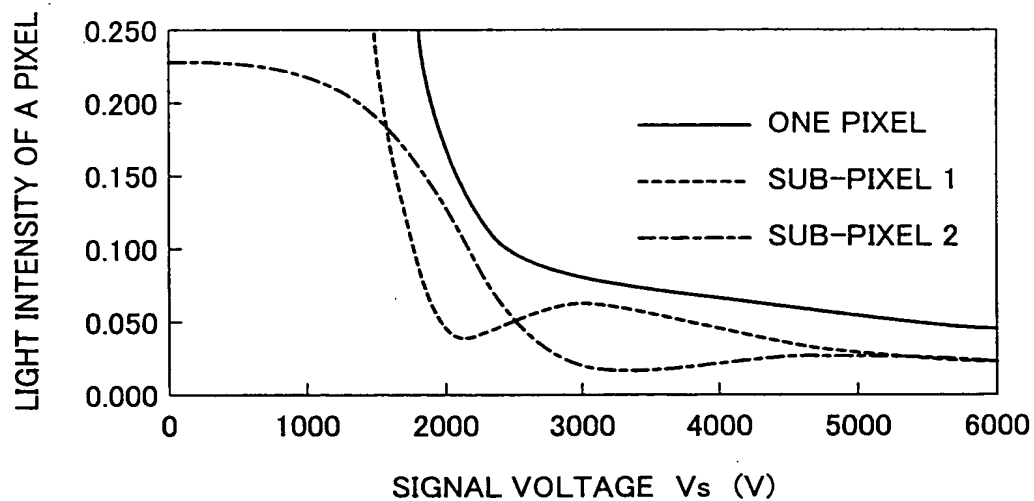


FIG. 33 (a)

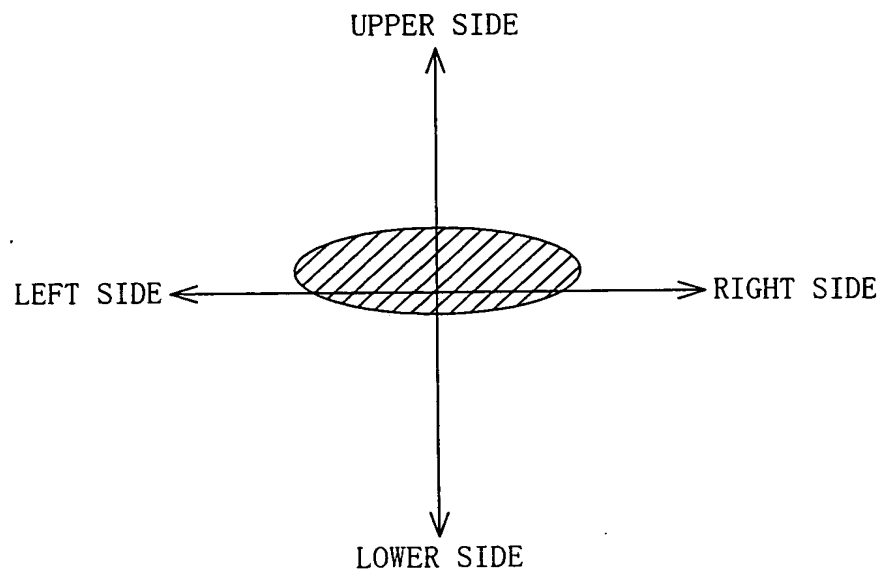


FIG. 33 (b)

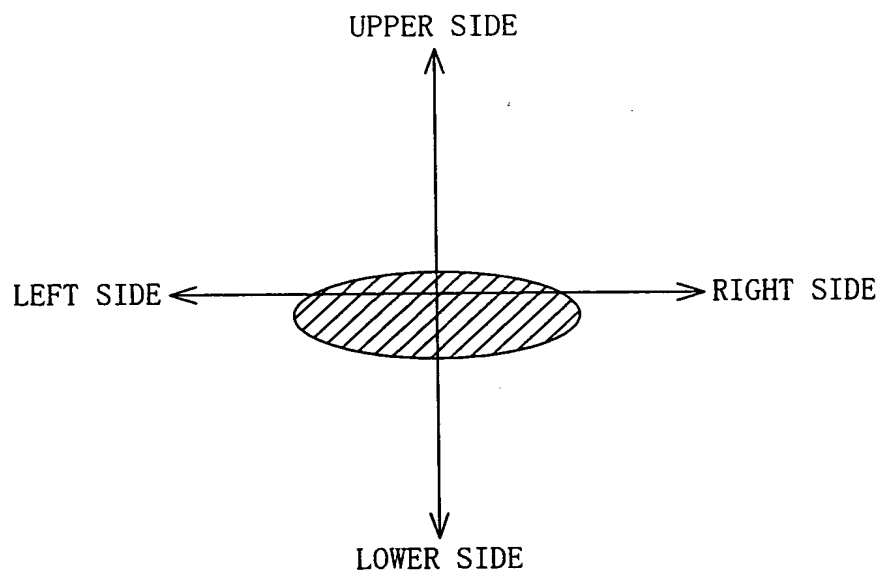


FIG. 34

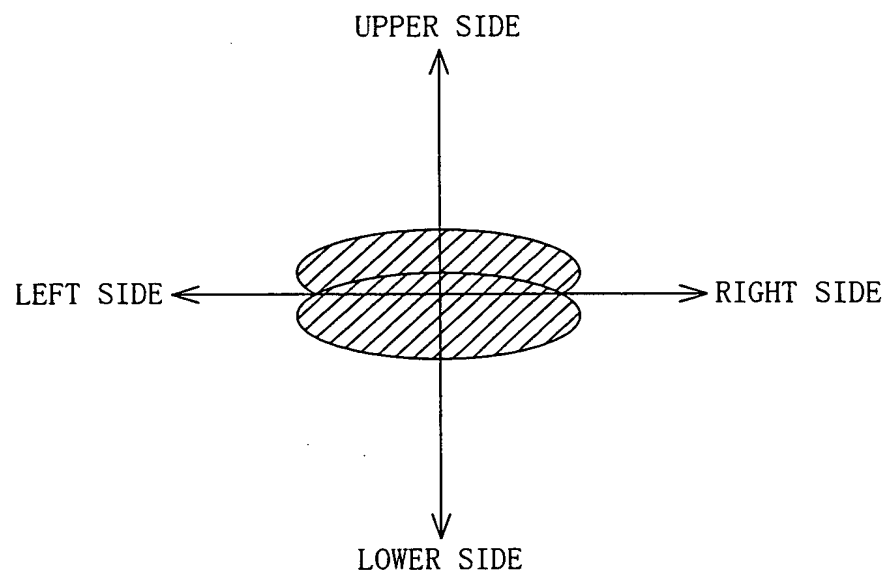
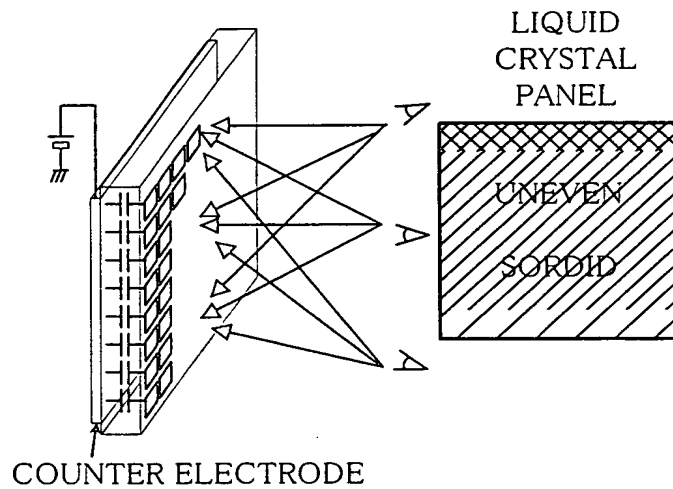


FIG. 35



In a case of a large screen panel, an angular position in viewing varies depending on whether an image is viewed from an upper direction or a lower direction, so that the image does not seem uniform even when the image is uniformly displayed. Further, difference in a panel characteristic causes unevenness in reproducing colors.

FIG. 36

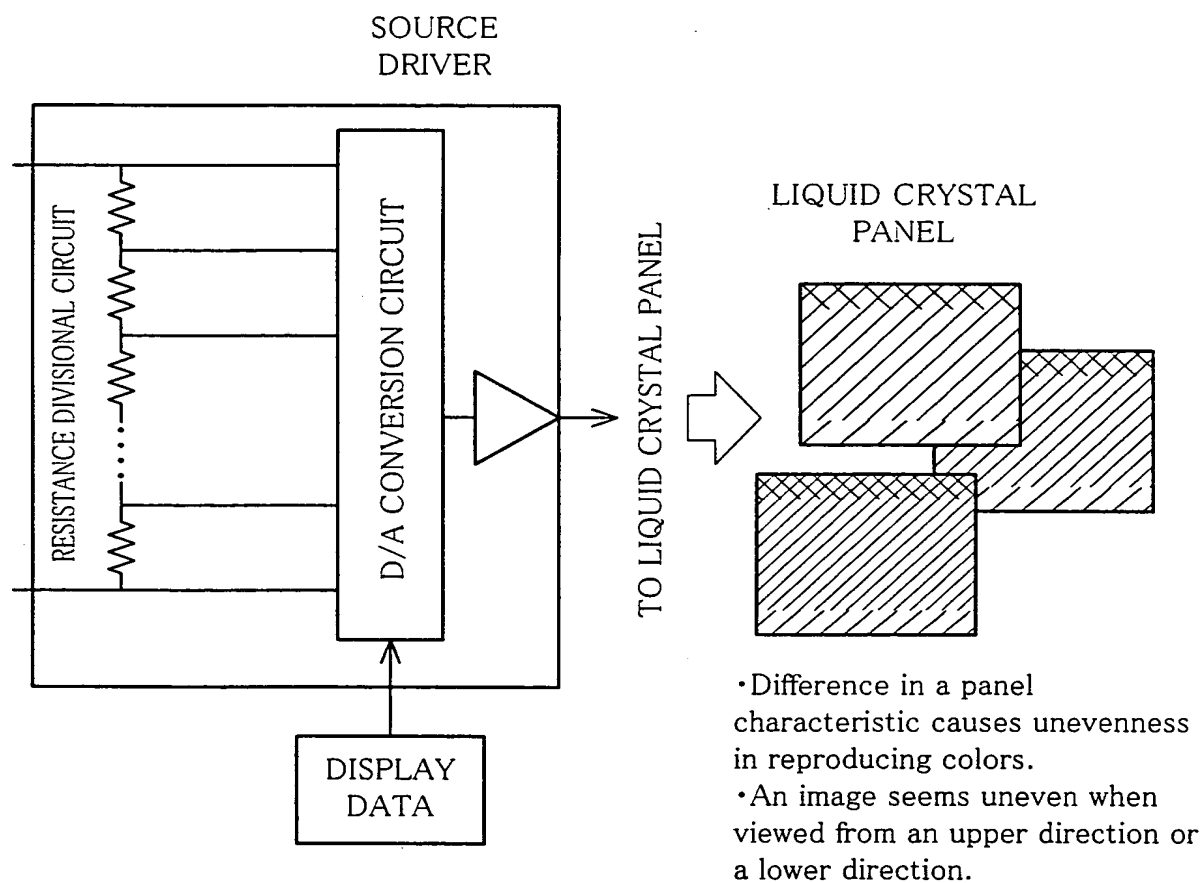


FIG. 37

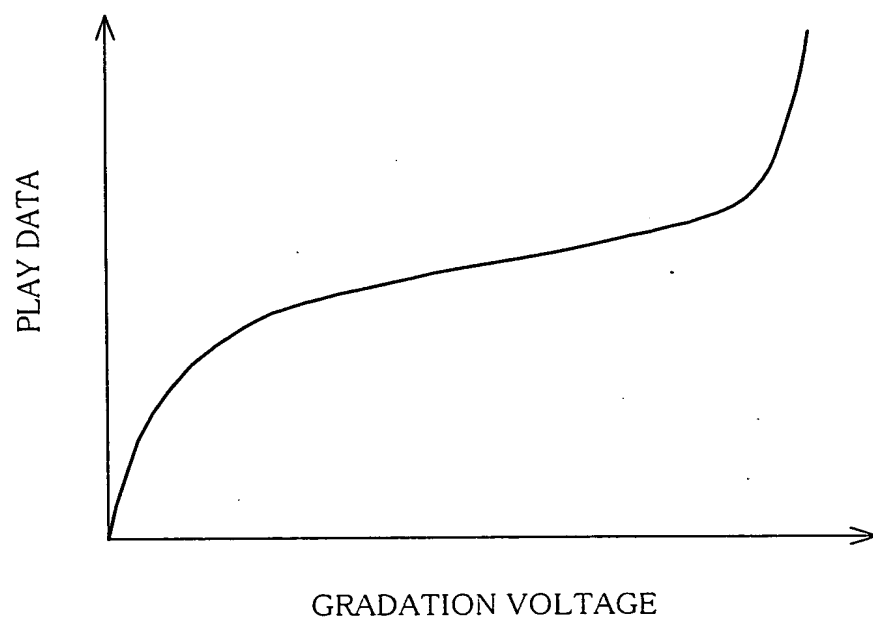


FIG. 38 (a)

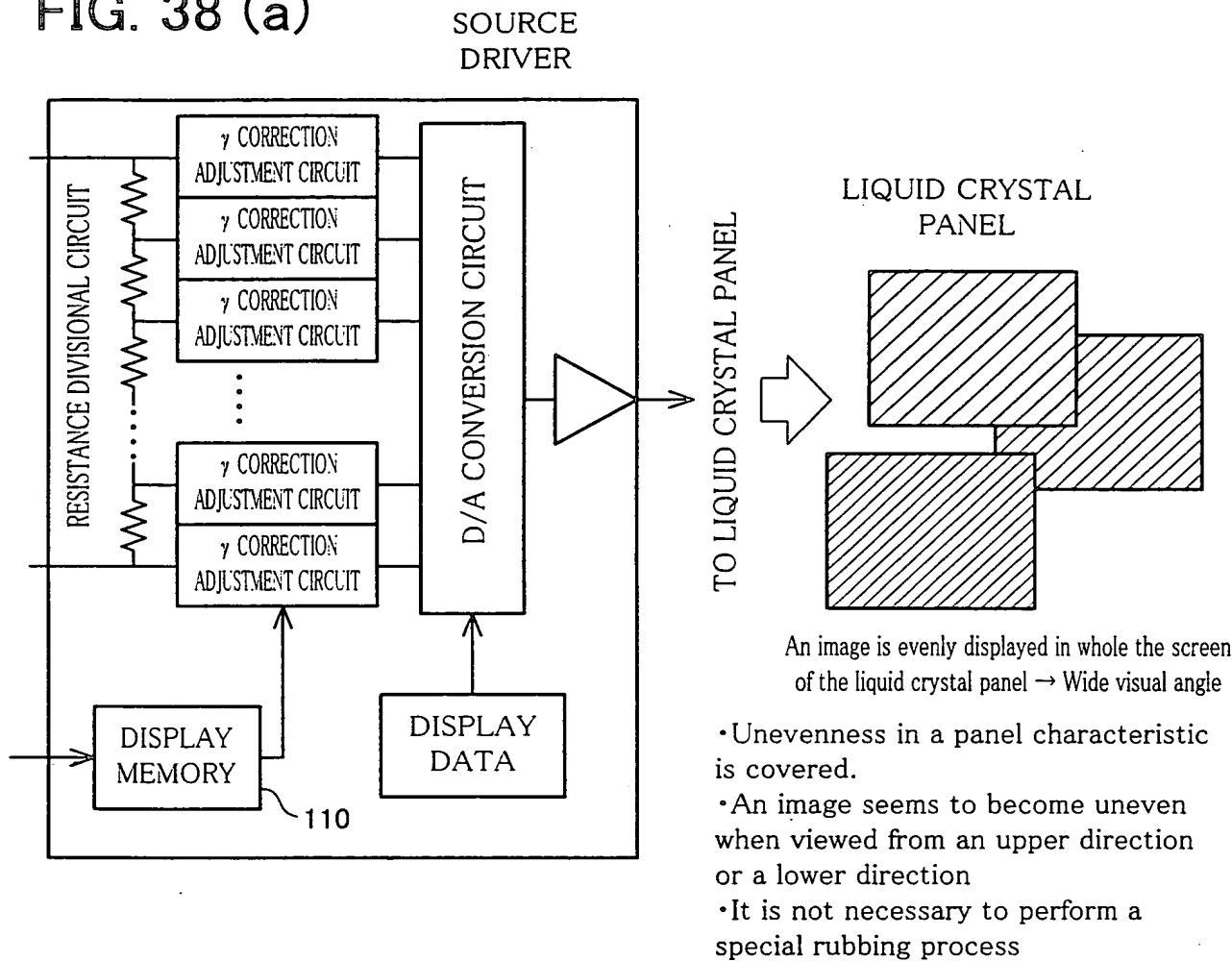


FIG. 38 (b)

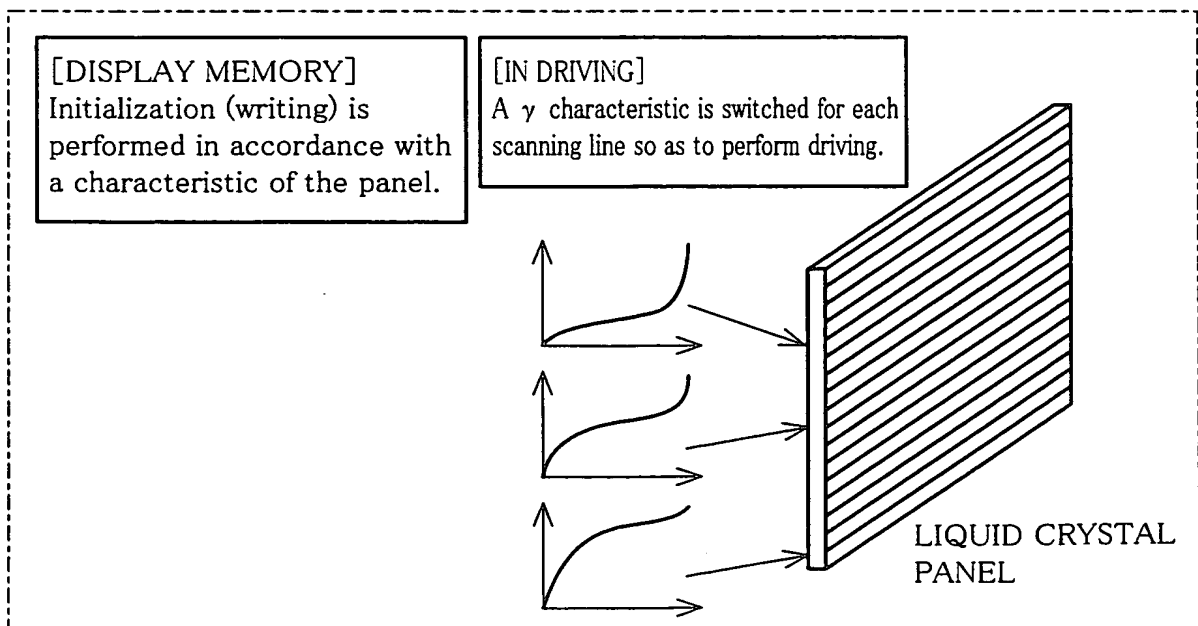


FIG. 39

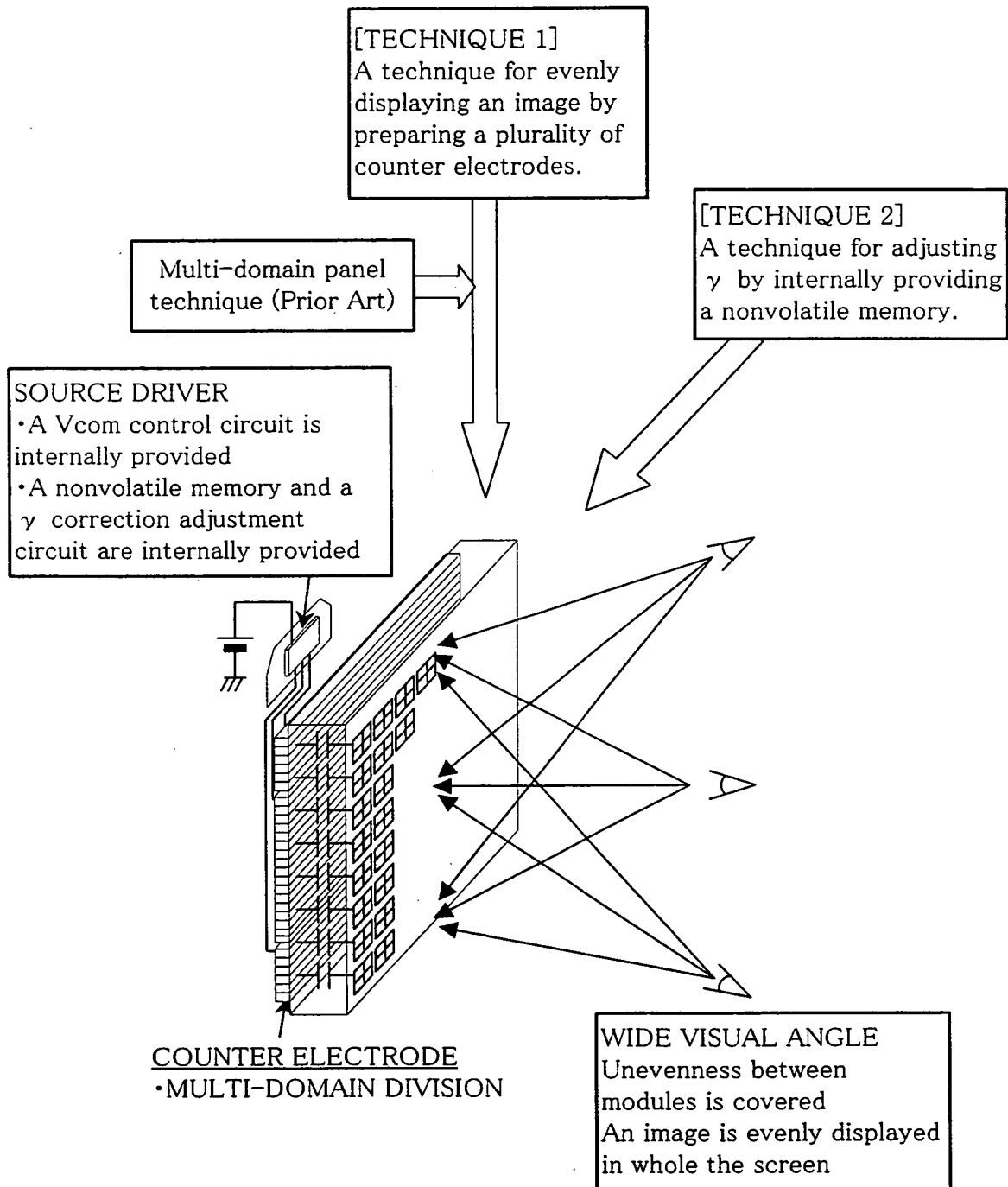


FIG. 40

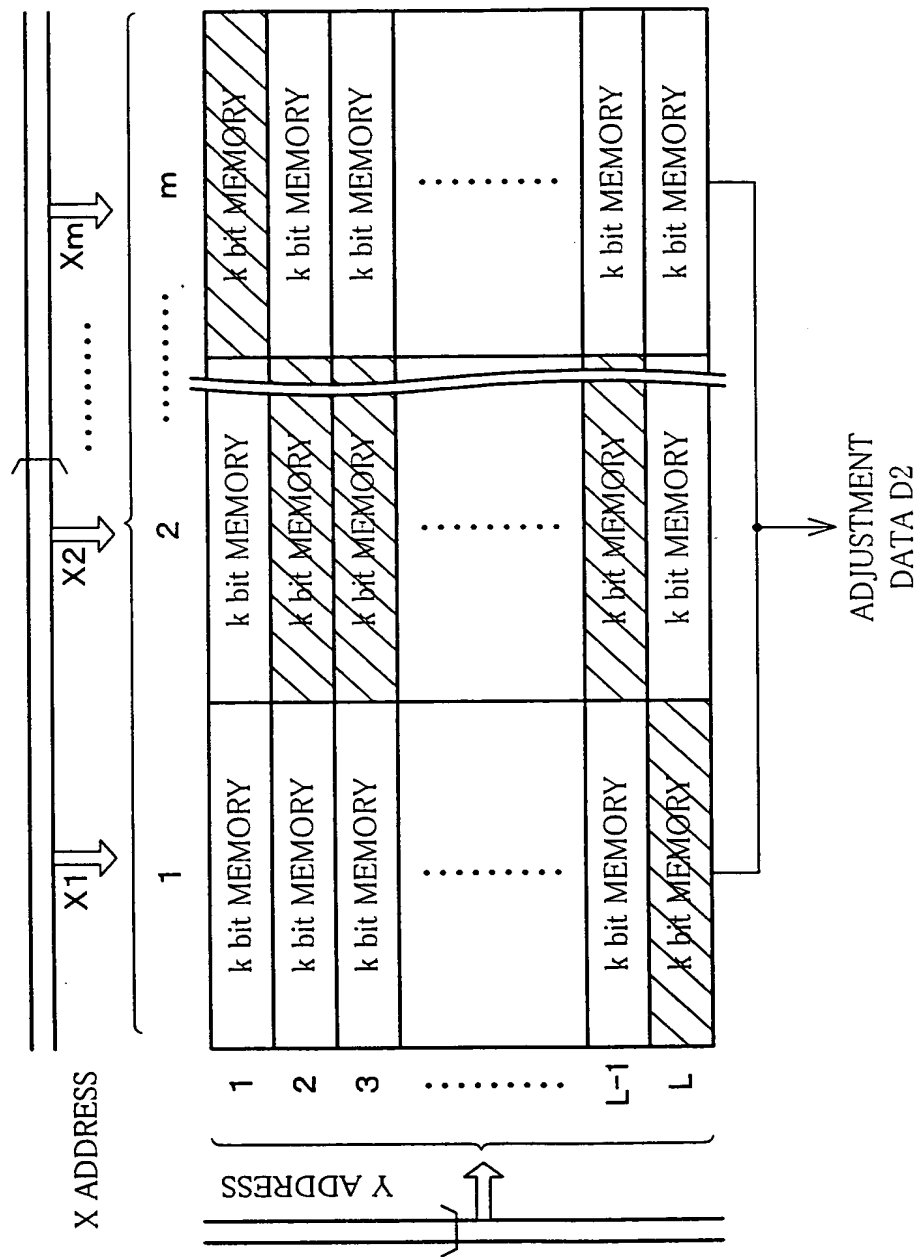


FIG. 41

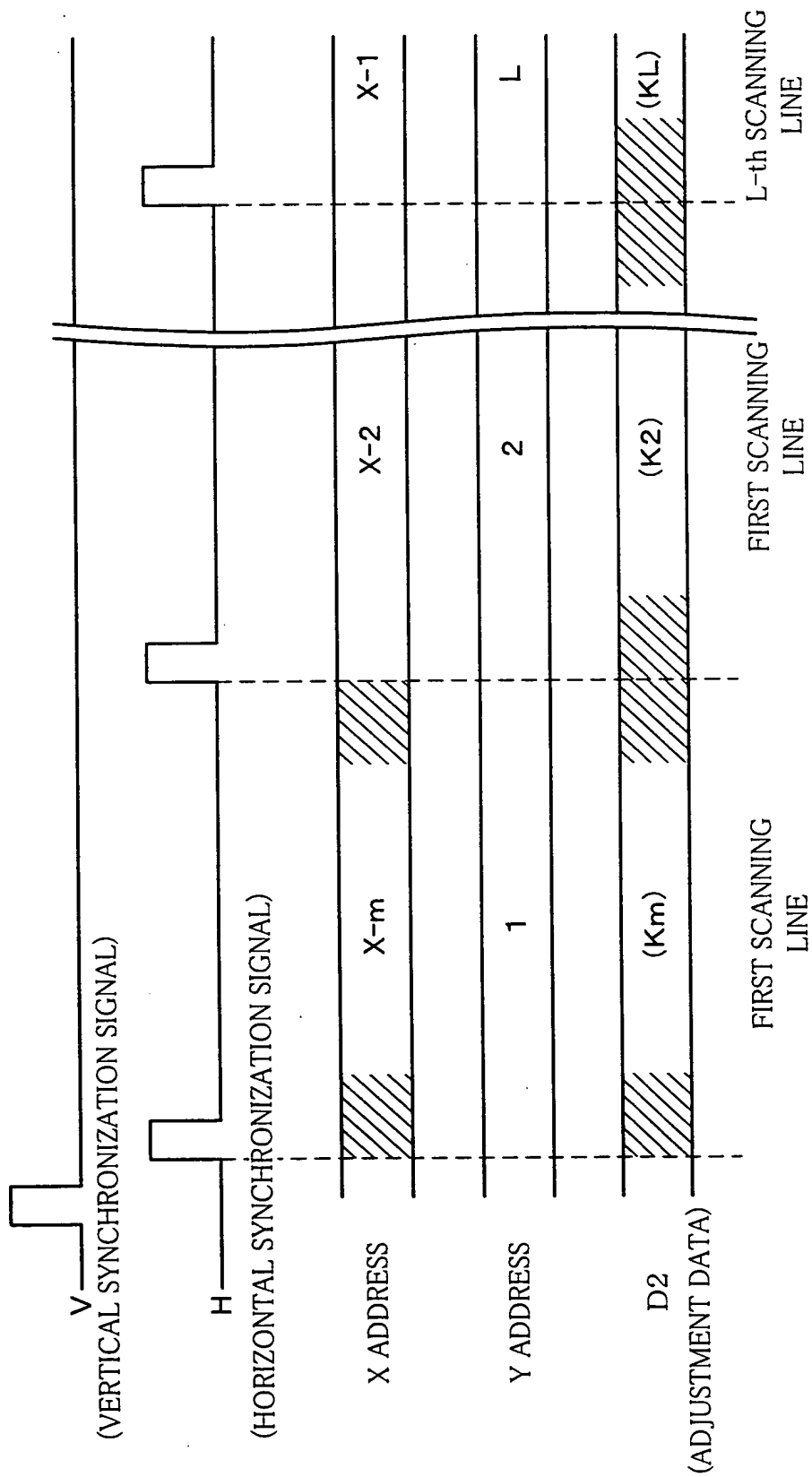


FIG. 42 (a)

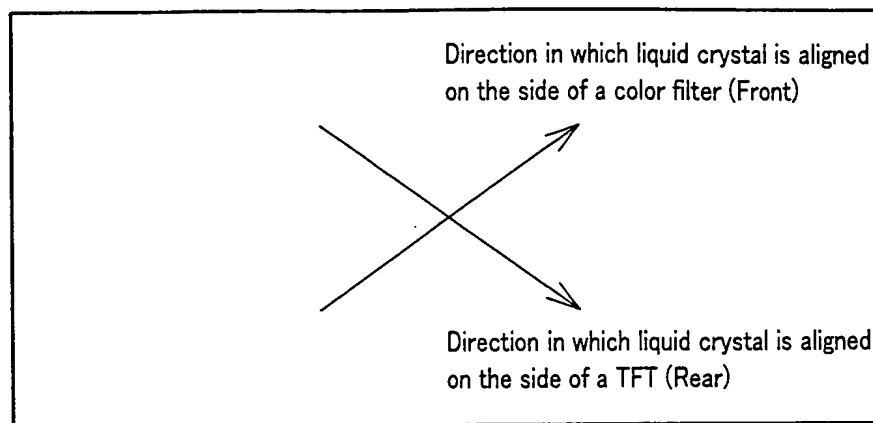


FIG. 42 (b)

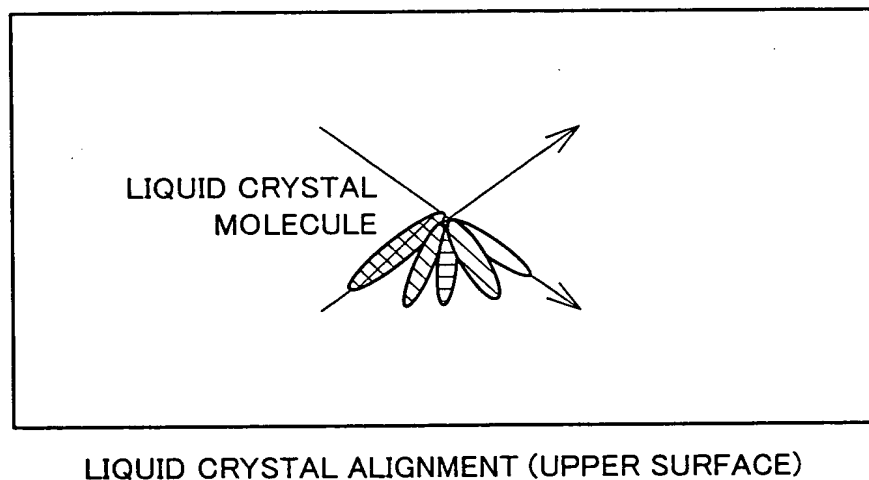


FIG. 42 (c)

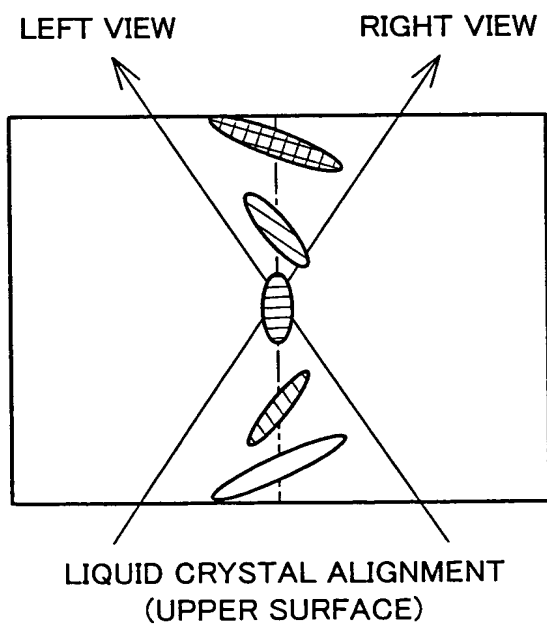


FIG. 42 (d)

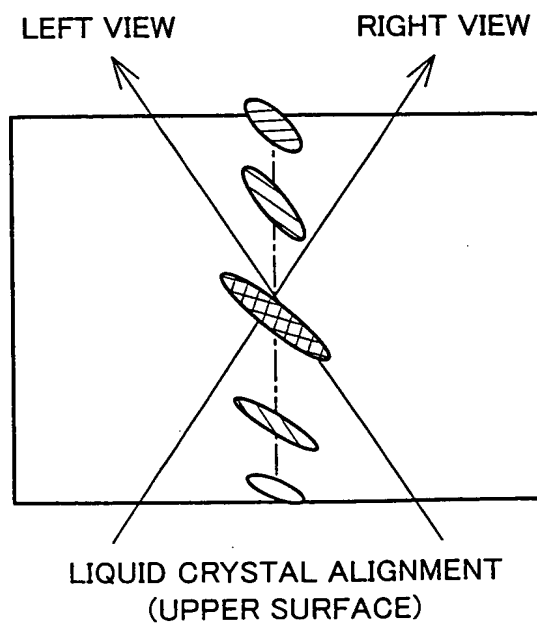
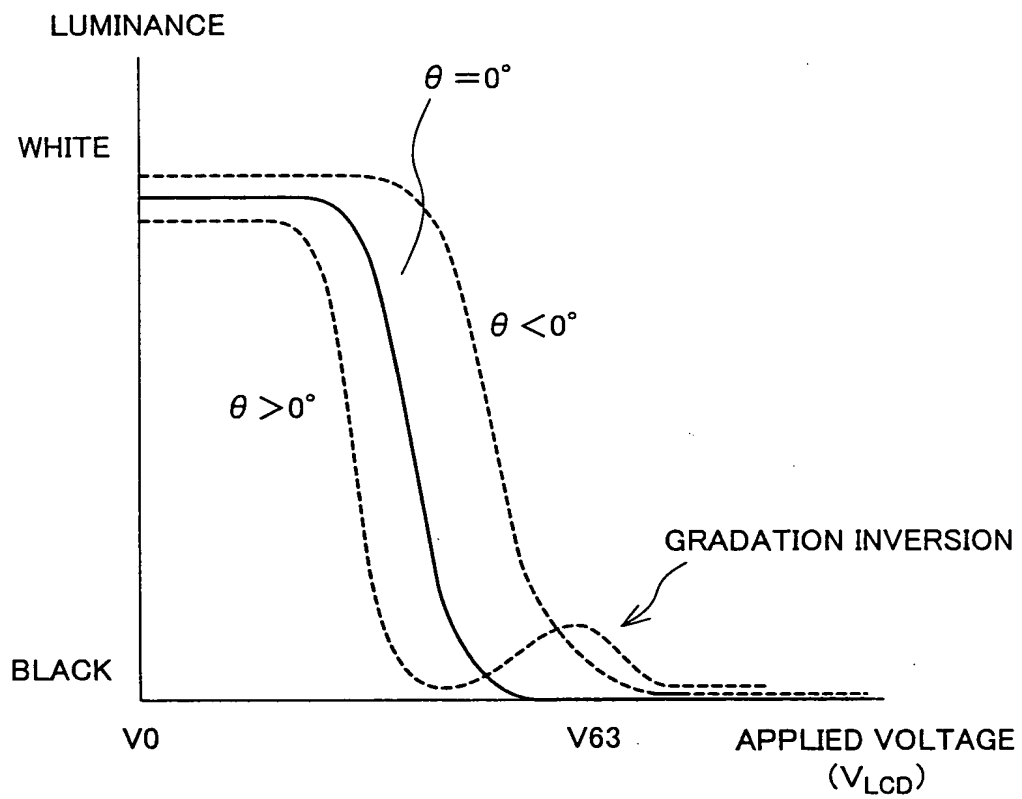


FIG. 43



VOLTAGE (V) APPLIED TO
A LIQUID CRYSTAL CELL